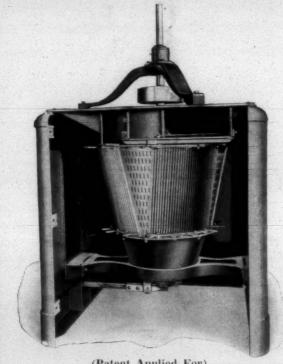
# SOUTHERN EXTILE BULLET

VOL. XXIV.

CHARLOTTE, N. C., THURSDAY, SEPTEMBER 28, 1922

NUMBER 5



(Patent Applied For)

### SACO - LOWELL

The New Adjustable Grid Bars for Vertical Openers improve both the quantity and quality of cleaning.

Positive, Fool Proof adjustment of the opening between the bars. With these bars you can adjust according to the grade of your cotton. The new bars are capable of as small an opening adjustment as the perforated screen and also one several times larger.

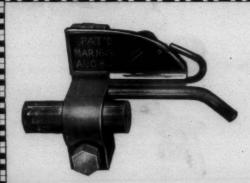
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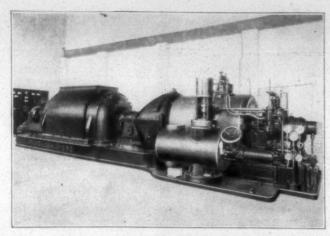
Adapted to both Cotton and Worsted Yarns If YOUR Spoolers are not equipped they OUGHT to be

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# Allis-Chalmers Steam Turbines For Fuel Economy



4000 Kw. max. 80% P. F. 3600 r.p.m. Allis-Chalmers Steam Turbine and Alternator Unit with direct connected Exciter installed in a western power plant

In the design of Allis-Chalmers Steam Turbines efficiency and reliability are the principal features receiving attention.

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# SOUTHERN STATE BULLETIN

PUBLISHED EVERY THURSDAY BY CLARK PUBLISHING COMPANY, 39-41 S. CHURCH STREET, CHARLOTTE, N. C. SUBSCRIPTION \$2.00 PER YEAR IN ADVANCE, ENTERED AS SECOND CLASS MAIL MATTER MAPCH 2. 1911, AT POSTOFFICE, CHARLOTTE, N. C. UNDER ACT OF CONGRESS, MAR. 3, 1879

VOL. XXIV

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NUMBER 5

# Human Factor In Industry

itself into a discussion on the efficiency of the numerous operatives employed in industry. I do not propose to limit my paper to this section because it must be clear to outsiders that the operatives do not represent the only human factor entering into the conduct of a busi-I have had many opportunities during the last 15 years of learning a good deal about the several sides of business without getting so involved in any particular side as to forget others. It is on this account only that I venture to commence a discussion. I shall speak as an observer of many sections and not as an active worker in any.

Everyone will agree that the in-Everyone will agree that the influence of any one individual on a body of men with whom he may get into contact is greater the higher the position held by that individual; hence, his capacity for distributing good or bad is greater. A mistake on the part of an owner or a man-ager is likely to cause much more ager is likely to cause much more trouble than one on the part of an operative. We see, therefore, tha' owners and managers are, if any-thing, the most important human human

men who are intended for managerial positions should receive a trainproperly adapted to requirements, and one of the most impor-tan subjects is that of human na-We much realize that a man intended for a managerial positior as a rule takes less personal interest in his own education than one who has to make his own way in the world. Any teacher in school, col-lege, or university will confirm this The result is that such men take up their duties with a severe handicap Knowing the unfortunate results of this, many owners believe in putting their sons into the business at an early age. This gives them business knowledge, but it is probably the same knowledge which may have been in that business for many years and what a young man really wants is knowledge which will help him to run the business under newer conditions. Parents should themselves take more personal interest in the training of their sons, and pay

ed our knowledge of the factors governing human behavior. These factors operate in all cases, human nature being essentially the same all tions and trades unions organizations the world over. Self-preservation illustrate the developments of self-not only refers to life, but to status preservation in the direction of mass and position in life. Nutrition apaction primarily connected with the plies not only to food consumption, herd instinct. Warfare between but to food utilization, and is, therefore, governed by health, and by fatigue, worry, and other factors which modify health. Herd instinct has a much greater influence in life than is generally supposed. Personally, I do not think that human behavior can be fully explained on the basis of these instincts. There are at least two other factors—the first, chemical effects within the due to the action of external intellectual instinct which arises as a direct consequence of the development of intellect.

Today, business is a very complicated matter, and industrial systems have developed in most unlookedfor directions. There must be something radically wrong with an industrial system which leaves half the operatives unemployed and the othfactor in industry, and until they er half suffering from fatigue or have put themselves in order the discontent. To remedy this requires other human factors cannot be proparative and until training which adapts him for diagnosing the cause of industrial unrest and curing it with men who are intended for manager qualified doctor diagnoses and cures diseases of the human body. Unfortunately, industry has been like the sick man who would not admit himself sick until he was unable to carry on. The result is that no doctors have been called in, neither has there seemed sufficient demand to encourage men to qualify them-selves for the work. The result is selves for the work. The result is that industrial troubles have gone uncured and therefore become worse. Even today, with big troubles before us and these growing larger ever year, practically no men are going in for the study of those subects which would assist in the cure We try to settle the troubles with household remedies and feel sur-prised when they break out again in

menfally.

The various employers' associamasses is a much more serious problem than warfare between individuals and should be avoided wherever Whoever wins in a trade possible. dispute, the inevitable spirit between employers and employed will do more towards increasing efficiency than any industrial dispute. operatives are forced into what they consider an unfair bargain, sooner or later they will try to balance A lockout when trade is bad is as well as internal influences, and met by a strike when trade is good the other, what we may call the and both sides lose. It is human nature, and one cannot get away from it. The men are convinced that the employers wish to destroy their biggest weapon of self-defence and that is a great stimulus to the digestive organs. This applies most instinct of self-preservation. An atparticularly to sendentary workers titude of diplomacy and not chaland those operatives not physically lenge seems to be required.

Insecurity of employment is also household remedies and feel surprised when they break out again in
more virulent form.

In industrial life, self-preservation
mainly refers to the preservation of ation. Moreover, it could be done machine is bought not because it is
one' status or position in life, and, in such a manner as not to en- an efficient machine, but because
when this can only be attended to at
the roune flow machine is machine maker has sold a
ployment or insure their own work. Once a machine maker has sold a
proceeds to incost than by the presents system of form a probable customer that sodoles, for which industry has to pay and-so have bought it. The herd
through the nose in the form of taxinstinct comes into play and the
mainly refers to the preservation of ation. Moreover, it could be done machine is bought not because it is
one' status or position in life, and, in such a manner as not to en- an efficient machine, but because
when this can only be attended to at
courage laziness. It may be thought so-and-so has one. Trotter also says
the expense of someone else, then that as taxation applies to the whole that man on the average is more sen-

(By W. Harrison, M. Sc., in Journal periodical visits to the institution at some kind of warfare is bound to of the community, industries only of the Textile Institute.

In most cases a discussion on the Recent developments have enlarg- warfare the battles goes to the but, as the money paid by the com- Human Factor in Industry resolves ed our knowledge of the factors gov- strong whether it be physically or munity lessens the amounts available for the purchase of manufac-tured commodities, the result is a direct loss to industry as being the only source of wealth in an industrial community. Any more effi-cient system—and few can or will say that government systems are efficient-will eventually be a benefit

to industry.

The number of cases of inefficiency caused as the direct result of faulty nutrition is far greater than is usually imagined. In the operais usually imagined. tives it causes in inability to work hard, and in a foreman it may rein bad temper or general incapacity to supervise. Malnutrition may be caused by other things than wrong food, such as eating in a crouching posture, or perhaps sitting in the corner of the works. Another cause is the attempt to tackle hard physical or mental work immediately after a meal, when blood circulation is required by the fit

The herd instinct plays a much a powerful stimulus to the instinct bigger part in industry than appears of self-preservation. When orders at first sight. According to Trota powerful stimulus to the instinct bigger part in industry than appears of self-preservation. When orders at first sight. According to Trotare scarce, large output means less ter's, on account of this instinct, mentime of employment. Hence, as a are intolerant and fearful of solirule, workers reduce their output tude either physical or mental. This as much as they can or dare. Unfortunately, they do not increase tal fixity and intellectual incurious-their output in the same relation ness which he constantly displays to when trade is very good, because an extent very remarkable for an they either lack incentive or knowland animal with so large a brain. The edge of the conditions. They are resistance to a new idea is primartold when trade is bad, but not always when trade is good. The revelopment of intellectual objections, moval of this insecurity of employing any process, in spite of the common creasing output provided that rigid delusion to the contrary. It is not conditions were laid down. There only the workpeople who object to is, of course, a chance that operative might take life easy if employment were absolutely secure; agers are quite as difficult to conhence, one must lay down some rigagers are quite as difficult to conhence, one must lay down some rigagers are quite as difficult to conhence, one must lay down some rigagers are quite as difficult to conhence, one must lay down some rigagers are quite as difficult to conhence, one must lay down some rigagers are quite as difficult to conhence, one must lay down some rigagers are quite as difficult to conhence, one must lay down some rigagers are quite as difficult to conhence, one must lay down some rigagers are quite as difficult to conhence, one must lay down some rigagers are quite as difficult to conhence on the value of a new maintended to the results of the results of the proceeds to inconference of the reservice system of form a probable customer that so. to any other influence. It is the source of his moral codes. It can endow him with energy, courage and endurance by this very instinct. and, after the war, we say the same men moved to slackness, doubt, and discount. One must remember that the herd follows a leader, but it must be one of the herd. A leader from another herd of an entirely different class is seldom followed. Hence, to influence the crowd one must associate oneself with it, be come one of it, at least for the time being. I am fully convinced that the workers of this country can be influenced in the right direction just as easily as they are now influenced in the wrong solely by virtue of the herd instinct. One must not forget however, that this instinct moves men of all classes. Employers have been led into wrong actions against proportional to the enormals. The human factor in industry is the workpeople, often against their system which increases output at the human factor in industry is better judgment, but having voted the expense of permanency of em- a very much bigger thing than is better judgment, but having voted the expense of permanency of em- a very much bigger thing than is better judgment, but having voted the expense of permanency of em- a very much bigger thing than is by the voice of the herd they feel they have no choice but to keep their word-in fact, keeping one's word is also an action caused by the herd instinct. One cannot get away from the effect of this instinct unless one is prepared to face the con-To act in a manner entirely contrary to the herd results in one being ignored and to have to face that solitude which the herd instinct makes intolerable to man This does the human being, moved by the herd instinct, react towards his fellow men should they be tainted with originality or react to know-edge instead of to instinct. Yet, the Yet, the world would not make much progress without those persons cursed with originality. The herd instinct with originality. wants a curb put upon it, and that can only be done by conscious efforts after fully recognizing its ac-tions. Intellect is the only counter to instincts.

The need for broad education was never greater than it is today, and by broad education I do not mean that memory training and memory examination system of today which are led by the herd instinct to believe is true education. I mean training of the logical faculties. which, unfortunately, is neglected for the sake of red tapism. When for the sake of red tapism. When we say that the education which was good enough for us is good enough for our sons and grand-sons, we are acting in response to herd instinct and not to reason. Reason tells us that the world is changing continuously, and that education much necessarily change with the times.

Having dealt so far with the effect primary instincts on industry, will proceed to refer to a few special factors, i. e., movement study, fatigue, and selection study

In the textile industry, the ques-tion of elbow room is very imporin failure; this happens because the old methods have really been work-

development, see that he gets full credit for it, for the more generous one is in this respect the more one

will gain in the long run. tion in the colleges
As regards methods of stimulating should be avoided. interest in new methods, perhaps the best is that of arranging a bonus for increased efficiency. There are several systems in use which would take some considerable time to discuss. The best plan appears to be that of Emerson, according to which a minimum wage is paid and a bonus which increases in percentage as the output increases. As every successive increase in output of any article requires greater and greater effort, this system provides wages proportional to the effort made. No operatives thing that if merchants industry today, or at any time, are permitted to hold up stocks to keep the prices up, then they themselves have a right to hold up labor for high wages or permanency of employment. Labor is the commodwhich the operative has for

The question of fatigue is one which had a great deal of attention during the war when a few operatives had to do the work of many. It was found that in most cases increased production resulted from shortening the working hours, by instituting rest pauses, and by careattention to ventilation and humidity. Nowadays, with the considerable reduction in trade, there is no need for the operatives to overwork themselves, and, except in the cerfain cases of heavy manual labor if cannot be said that fatigue is so very common. Managers would in fact be glad to have a few cases of real physical fatigue to deal with. The most prevalent form of fatigue is nerve fatigue, and this is less common among operatives than among those in control. This form of fatigue results from causes not usually associated directly with the work done. Anything which detracts attention from work tends to produce nerve fatigue. It may be the noise of machinery, and anything of a periodic nature is very upsetting.

Of the large number of persons engaged in industry, few are in the position for which they are most fit-Many persons accept the advice of friends or relatives and choose the wrong occupation; others follow the occupation of their father or grandfather, very often under compulsion of one kind or another Others are actuated by expected influence or attracted by interest and imagination to occupations for which of elbow room is very import hey have no real aptitude. Very often, the first attempts efficiency is minimized. Thus to alter a method of handling results blame can be attached to any of the employes. In the early days of the there was a big demand for ed out by experiments carried out, chemists and a great deal was said perhaps unsystematically, by the about the future of chemistry. This operatives over a long period. If year, there are nearly 2,000 young one wishes to make use of movement men studying chemistry, while last study as a means of increasing effiyear and the year before the number ciency one much create interest in was greater. Thus, at least 5,000 the newer methods. Very often this men have been trained as chemists speculations in the raw material are ed by the cotton industrial is only a question of tact. Leave a since the war and there are not making ends meet, perhaps, but ing mills are still suff workman sufficient reason or oppor- openings for one-tenth the number speaking generally losses are being effects of depression.

sitive to the voice of the herd than tunity for convincing himself that because the value of a chemist in made all round. And yet in spite of he has developed the new method industry is not understood. I think himself and at once he becomes we ought to advise the colleges and keenly interested. If he should have universities concerning the kind of been instrumental in influencing the man we are likely to want in the development, see that he gets full next few years so that such a surcredit for it, for the more generous plus of specialized service cannot arise. Personally, think specialization in the colleges and universities A man has to make the best of the opportunities which arise and not wait for an opening specially suited to his training. Adaptability, backed by general knowledge, is the best foundation for a business career. If a boy has special abilities these ought to be cultivated fully, but other possibilities should not be neglected. The completion of a business training should take in the factory where the variety of occupation leaves open the opportunities for adaptation to particular jobs.

not due to any single human factor but to the actions and interactions of the various human factors on one another. The actions of every section are governed by circumstances modified as they are by the various instincts to which man must react The action of any one section neces sarily produces a reaction in the other sections which tends to balance the effect of the first. idea that business is ruled solely and entirely by economic law is a fallacy which ought to be rid of as oon as possible. Based on the arguments of economic law, we construct business in such a wey that commodities are manufactured quicker than purchasing power is distributed. Douglas concludes from that manufactured articles should be sold at less than the cost of manufacture so that purchasing power in the form of wages should distributed as quickly modities. Operatives, on the other hand, conclude that output must be restricted so that commodities are made as slow as purchasing power is distributed. As both of these are logical conclusions based on economic law and as neither remedy appears sound to business men. follows that economic law is either unsound or not the main factor in business. The human factor is and in business.

#### Lancashire Mills Facing Losses, Says Sir Charles Macara.

cotton goods, we find it impossible to get trade on a paying basis," said to get trade on a paying basis," said and therefore it would be one of Sir Charles Macara, recently, in exthose which would be called upon to plaining the proposed plan to regu-compensate the less fortunate ones." late Lancashire production according to demand, a scheme to which Danish Textile Industry Improving. umns a few days ago.

We have disorganization and confusion everywhere," he contin-ued. "and such business as is going through is at figures which not only

this fact, people go on making goods to stock, only to find later on that they cannot hold them and liquidate them at a sacrifice.

"The spinners and manufacturers' misfortune is the buyers' opportunand month after month passes at this cat and mouse game, and the long-looked-for revival is being delayed.

"The revival will continue to be delayed until we act together; until, in fact, we all agree not to make these stocks, and so oblige the merchants abroad to pay a price which will at least put us on the rights ide. I have never been in favor of excessive profits, but we must, of course, be able to make profits of some kind. At present we are all being slowly ruined from the grower to the manufacturer.'

Briefly, the plan Sir Charles advocated calls for reinstation of the "Cotton Control Board," a war-time introduction used effectively to regulate prices; and the further sectionalization of the trade, in order facilitate organization.

"At present we have two broad visions in the trade, that which spins American cotton and that which spins cotton grown in Egypt, What is wanted now is to carry out the idea in more detail in order that we can find out how the various sections of the trade are working, and where our hands can be laid on the sources of weakness. When we had found which were spinning and manufacturing for India, which for China, and which were engaged on the various specialities required for the United States, the countries of Europe, for South America, Africa and elsewhere, we could find out exactly where we were, and regulate things accordingly."

The new scheme would also embrace the operatives' organizations, for whom provisions would be made for any temporary losses they might sustain.

"It cannot be in the interests of operatives that the capital by which they are employed should be dissipated all over the world as is being done at the present time, and that is why such a scheme as or-ganized short-time must in the long run be to their very great advan-tage. It would start the wheels of

It would not be necessary to bring will always remain the main factor the whole of the trade to a standstill, Sir Charles states.

industry running more quickly, and would soon bring full time and good wages."

"While the whole world is bare of in quite a healthy state. There is over-production in that section.

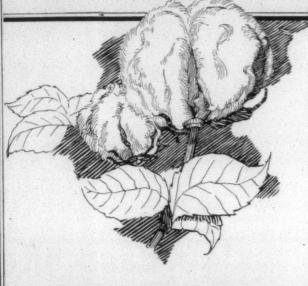
Improvement is noted to the Department of Commerce from Assistant Trade Commissioner Sorensen, Copenhagen, in the Danish textilei ndustry. Nearly all of the mills do not pay dividends, but are a long are now in operation, employment way short of paying expenses in the averaging between 80 and 90 per increasing effi- year and the year before the number great majority of cases.

cent of normal. The knitting increasing effi- year and the year before the number great majority of cases.

cent of normal. The knitting increasing in the increasing the position of the posit ing mills are still suffering from the



### ERIE BLACK RX



Perfection in spinning is clinched by perfection in dyeing

Better Dyes mean Better Threads

Better Threads mean Better Hosiery

# -for Hosiery

National Erie Black R X meets the demand for an Erie Black of a bright reddish shade. In addition to this important property it possesses the high tinctorial power and applicability to most fibres which have made National Erie Black GX00 and RX00, both of which yield a greenish shade, so widely known in the trade.

National Erie Black R X is easily soluble and is therefore suitable for use on all types of machines. It dyes cotton slightly heavier than wool in a neutral bath, which makes it very valuable for union materials. It is of particular interest to the hosiery dyer as silk and cotton are dyed uniformly. After-treatment with Formaldehyde increases fastness to water and washing.

Full information regarding the complete "National" line is available at any of the branch offices.

National Aniline and Chemical Co., Inc.

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Hartford Charlotte THE FIRST AND LARGEST MAKERS of COAL-TAR DYES IN AMERICA Montreal Toronto Providence

Philadelphia San Francisco

NATIONAL DYES

# What You Will See at the Exposition

What You Will See at the Exposition. are amply qualified to

With the opening of the Southern
Textile Exposition but a short time away, final preparations have practically been completed for making it the greatest exposition of textile machinery and supplies ever assempled in the South.

Advance descriptions of many of the exhibits have already appeared in these columns, more are given through which collon passes from

in these columns, more are given through which cotton passes from below and will appear in other issues the bale to the packing room and

### New York and New Jersey Lubricant

in the carding, spinning, twisting and tinuous steel angles and self-oiling weaving of cotton. These lubricants casters. J. W. Brock and Doggett possess the marked advantage of will be in charge. insuring freedom from oil stains on goods in process, thereby stopping a loss which costs Southern Mills Co, Columbus, will have on exhibit many hundreds of thousands of dol- in booth 427 and which will consist

preceding the opening of the Expo-sition on October 19th.

Expo-which treats of the lubricating diffi-culties usually experienced and the remedies for them.

Standard Fibre Co.
The Standard Fibre Company will The New York and New Jersey have on display a complete line of Lubricant Co., 401 Broadway, New No-Waste Seamless Hard Fibre Rov-York, will have on display grades of ing Cans, with new and approved Non-Fluid Oil that have been destyles of metal and roled fibre tops-veloped especially for the textile inax we as a line of hard fibre mill dustry, and that are designed for hoxes and cars. Also a complete line lubricating every machine employed of new type steel clad car with continuous standard Fibre Company will.

The exhibit will be in charge of the Company's well-known Southern ton mills made by this company lotte, N. C., together with Messrs. District Manager, Lewis W. Thompson, and there will be in attendance men who have specialized on the lubrication of textile machinery, so ming and tube and tire trades, John The Westinghouse Lamp Company in booth 427 and which will consist of a display of the various styles of fice, assisted by Mr. H. Willard, the company's representative in Charton Charton

National Aniline & Chemical Co.
The exhibit of the National Aniline & Chemical Company, Inc., will occupy spaces 236 and 748, located on the balcony and overlooking the second floor. This exhibit will be comprehensive and will be somewhat of a departure from the usual exhibits set up by the National. There will be exhibited a variety

of textiles showing all hues and colors, and upon various fabrics, in-cluding silk, artificial silk, cotton, wool, etc. Supplementing the tex-tile and dye exhibit, there will also be representative collections of the products from the Certified Food Colors Division and the Pharmaceu-tical Division. At the request of many of those who visited the company's exhibit two years ago, the company is again exhibiting the large, illuminated chart, showing all the important products derived from coal. Great care has been made to have this chart complete in every particular.

The exhibit will be in charge of Dr. L. J. Matos of the New York office, assisted by Mr. H. Willard, the

are amply qualified to give mill S. Roberts, president; C. M. Young, pany of New York, with local of-superintendents and engineers ex- treasurer, and Miss M. Roberts, sec- fice at Atlanta, Ga., will feature pert advice on this subject and rec- retary, will be in charge. lamps and lighting equipment suitable for textile mills. The new mill type Mazda lamps that have but re-cently been made tipless are being demonstrated on a bumping device.

> The value of this new product lies chiefly in the form of construction that is employed in suspending the filament, there being but a very short glass stem that permits the lamp to withstand considerable vibration without breaking the filament. A complete line of large Mazda lamps used for mill lighting together with industrial types of reflectors are shown.

> One feature of particular interest that serves as a guide to mill superintendents and gives them ideas for improving their lighting installations is demonstrated in a series of compartments showing each step that will tend to create better efficiency in the lighting of the mill. Panels showing the specifications and lighting service of the mill. Panels showing the specifications and lighting service rendered by the Westng-house Companies are also attractively displayed.

> The exhibit is in charge of Robert B. Elv. of New York, and other representatives are E. P. Carpenter District Illuminating Engineer and (Continued on Page 22.)

### BAHNSON gives SATISFACTION

# Bahnson Humidifiers

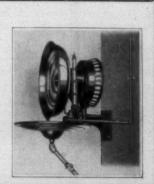
are manufactured by carefully controlled, standardized methods. That BAHNSON HUMIDIFIERS are economical to operate and efficient in service is proven by the increasing numbers of Textile Mills, in the United States, Canada and Foreign Countries that are getting satisfactory results.

# The Bahnson Company

Humidification Engineers

General Offices and Factory WNSTON-SALEM, N. C.

Eastern Office 437 Fifth Ave., at 39th St. NEW YORK CITY

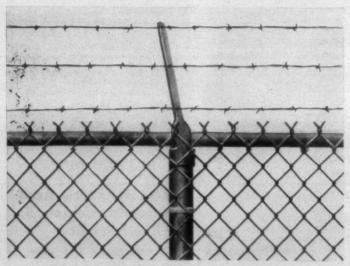


BAHNSON HUMIDI-FIER has but one mov-ing part—the motor shaft, with a fan on one end and a metal disc on the other.



The Greenville, South Carolina, plant of The Victor-Monaghan Co., one of the largest textile properties in the South, operating in Greenville, Seneca, Walhalla, Jonesville, Arlington, Union and Greer, South Carolina

# Keeping Workers Satisfied - the cash value of an attractive plant



DESIGN DETAILS OF THE PAGE PROTECTION FENCE

The modern idea in factory management is to provide a "good place to work in." Especially in plants that employ women, good surroundings have been shown to lower turn-over and increase production.

The first requirement for a good-looking plant is an attractive nonclimbable fence. Grounds cannot be kept beautiful and orderly if the vagrant or the malicious intruder is allowed to wander unmolested over the property.

And the PROTECTION FENCE pays dividends besides in blocking theft, avoiding fires, saving expense of watchmen.

There is an expert fence-erecting organization in each of the cities listed below that carries complete stocks of Page Fence Products and is equipped to give you prompt and efficient service in construction.

BOSTON CHARLOTTE
KANSAS CITY LAFAYETTE
HAVEN NEW ORLEANS
A PITTSBURGH RE BINGHAMPTON BIRMINGHAM BINGHAMPTON BINGHAM
CINCINNATI DALLAS DETROIT K
LOS ANGELES MEMPHIS NEW H
OSCEOLA, IND. PHILADELPHIA LINCOLN RENSSELAER ST. LOUIS TULSA SPRINGFIELD, MASS.

The fence illustrated above was installed by General Equipment Co., of Charlotte, N. C.

Address all inquiries to

PAGE FENCE & WIRE PRODUCTS ASSOCIATION CHICAGO



America's first wire ence~1885

Ingot Iron The only wire fence made of Armco Ingot Fron

### Overseer to Superintendent

Written exclusively for Southern Textile Bulletin by "Old Fixer", a man who has had long & varied experience in this work

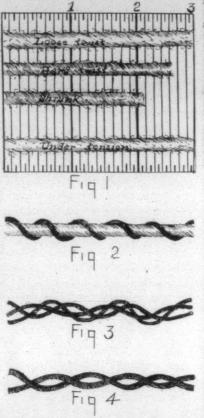
Grading of Yarns.

The grading of yarns used in the manufacture of textile fabrics involves a system of calculations and observations depending upon the nature of the raw material of which the yarns may be made and the character of the processes through which they have passed to be made into a spun thread. The grading of yarns a mill running exclusively on cotton, or wool, or any other single textile material is not very intricate, as the sizes, counts, and general features of the yarns are similar. But in mills using cotton, wool worsted, silk, mohair, jute, hemp, ramie, and related textile materials the processes of grading of the yarns are more complicated. Besides depending upon the nature of the raw material for grading of yarns, the character of the varn itself has to be considered and a classification made according to its twist, the degree of tension it will stand, the amount of shrinkage to which it may have been subjected during the manufacturing processes and its strength. It is when a single strand is made up of a combination of raw materials that these characteristics become the harder to determine accurately. Furthermore. some yarns that are classed as pure stock are often found to contain adulterants of an inferior thereby changing the classification and grading.

The introduction of a short fibered or shoddy-like stock in with a staple of higher grade will, of course, he detrimental to the thread and change the grading. Then again yarns which are intended to possess a lustrous finish are frequently deprived of that feature by the fading of certain dyes in the stock after the yarns have been spun and a regrading becomes necessar

**Grading Includes Important Factors** 

The grading of the yarns according to size is not very difficult as fixed rules are obtainable for the purpose. But when it comes to grading yarns according to their elasticity, resisting properties, lustre of finish, value as a cloth yarn, and general worth as a material for weavthe superintendent is often led. He finds that he has to puzzled. take a chance on the shrinkage of the yarns in some instances, while in others he cannot be positive as to the proportions of foreign fibers which have been added to the supposedly fiber thread which he is analyzing. He knows, however, that cotton yarns are graded as to size by the number of hanks one pound contains, and that one hank will bal-ance 840 yards of No. 1 cotton yarn. Two hanks, or 2 times 840 yards of cotton will give 1680 yarns to the pound of No 2 yarn and so on; so that there would be 8,400 yards of No. 10 yarn to a pound and 17,800 find the weight in ounces of a cer-



sary to make on pound. Practically all of the yarns manufactured from vegetable fibers are based on the same rules as cotton for determining the counts.

Woolen yarns, of course, call for a different system of grading so far as the weights are concerned. Instead of the counts the superintendent has "runs" to deal with. The standard is 1,600 yarns and this length is derived from one pound of length is derived from one pound of An active demand for hosiery in the raw material for spinning 1 run the Union of South Africa is reported yarn. One pound of wool will make 3,200 yards of 2 run yarn, 6,400 yards of 4 run yarn, 12,800 yards of 8 run yarn and so on to 16,000 yarns of 10 run yarn.

There are 560 yards to a hank of worsted yarn and this hank is termed as a No. 1 thread. There would 1,120 yards in a No. 2 thread, 5,600 in a No. 10, 11,200 in a No. 20, 16,800 in a No. 30, and so on. Forety-eight hanks are needed to weigh 1 pound and consequently there would be 26,880 yards of No. 48's worsted to a pound of raw material. Spun silk threads are graded as to weight on the basis of 840 yards to a hank the same as cotton

Some superintendents have a scale like that in Figure 1 for use in grading yarns as to shrinkage in course of manufacture. This scale is a flat surface of hard wood on which the lines of a common foot rule are held first place for several years; drawn. Samples of threads under and has done much to make silk drawn. examination are placed on the scale yards of No. 20 to a pound and 25,- and the shrinkage determined. The total quantity used. Ten years ago 200 yards of No 30 to a pound. To threads are shown in a magnified very little silk hosiery was imported form for convenience. A thread in its into tain number of yards of cotton it loose twisted condition is placed on 1916 the total imports were valued is simple necessary to multiply the the scale and its length determined at only 14,060. Big increases were number of yarns of the count neces- It is then given more twist and made during the past five years; in

is put in the thread will shorten imported amounted to L16.500, while and reduce in diameter as shown in it was L31,877 in 1919, L146,640 in twisted sample. / If the thread is subjected to heat, moisture and pressure, such as it would be in the process of finishing a woven thread might enlarge.

sion, such as would be the case in 6 warping and weaving, would be extenduated as in the sample. If two threads are twisted together, a further shortening will result because of the portion taken up due to the ends winding about each other. a thread of a fine, soft character is wound about a thread of a heavier and more solid body, the heavy thread will retain its original form while the minor thread will be turned about it as shown in Figure 2 This is due to the lack of power of the minor thread to bend the larger and stiffer one. Figures 3 and 4 are given to illustrate some of the twisted types of threads which have to be dealt with. In case that the ends are of different raw material, the strands may be separated and each considered separately. Frequently these combinations consist of a different grade of yarn for each indi-cent vidual strand. Sometimes a silk end ports. used with one or two ends of cotton, wool or other fiber for the purpose of getting brilliancy to the The range of threads possible to combine in these forms of double and twist ends is practically unlimited. Some very attractive decombinations

#### Hosiery Market in South Africa.

by Consul Davis, Port Elizabeth. but, the consul says. practically all the hose coming into the Union from the United States are of silk.

According to the census of May 3, 1921, the total population of the Union of South Africa is 6,922,813 and only 1,522,927 of the total are A large part of the colored population do not wear socks or stockings, while those who do use only the cheapest grade obtainable.

Japan seems to have undersold everyone in supplying this trade The market for better grade American cotton hosiery, particularly men's half hose, has dropped to nearly nothing because the cheap trade prefers a medium priced cashmere (woolen, worsted) sock and only purchased the cotton when the woolen was not obtainable.

In silk hose the United States has popular and increase the South Africa, and as late as

against measured. If a hard twist 1918 the total value of silk hosiery was L31,877 in 1919, L146,640 in 1920, and L133,200 in 1921. Before the war the chief suppliers of silk hosiery were Japan, France and Great Britain. In 1921, 44 per cent texture, a further shortening would of the silk hose imported came from result although the body of the the United States, 36 per cent from Great Britain, 11 per cent from Japan The same thread subjected to ten- and 3 per cent from Australia, also per cent from all others

The demand is chiefly for ladies' silk hosiery of high and medium grades. Several well-known, widely-advertised brands of American silk hosiery are quite popular in the country. The demand for men's silk socks is very limited, as they are only used for evening wear. American manufacturers also have a good share of the business in silk substitutes, where again the demand is almost exclusively for ladies' hose.

There is also a demand for silk hose with upper part of wool or cotton. Great Britain has been gaining ground in this market. Some of the prices quoted f. o. b. an English port are as follows: for ladies' silk hose with woolen feet and tops, 55 shillings; ladies' artificial silk hose, 25 shillings and 9 pence. Both quo-tations are subject to a 2 1-2 per cent cash discount .- Commerce Re-

The cotton piece goods market at Cape Haitien, Haiti, is recovering from the depression of last year, according to a report to the Department of Commerce from Consul Woods, Cape Haitien. During the signs are made possible by these last three months the situation has improved considerably, and increased imports indicate activity The general crop pect in Haiti is good and a continued recovery is imminent.

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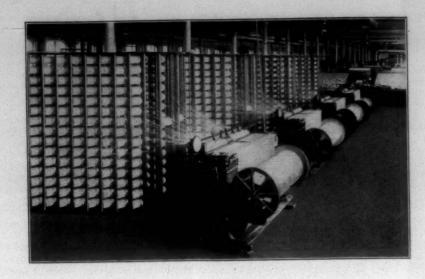
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# Tariff Legislation out of the Way

not be just what the textile trades turers because of the lack of sat-isfactory proportion between the duty on raw wool and the compensation allowed for manufacturing.

It is also true that the carded woolen manufactures, who have asked for an ad valorem tariff on raw wool, are as far from getting their desires satisfied as they were two years ago. From these two sources complaints will come from time to time. It is very doubtful, in the opinion of leading republicans in the industry, whether of themselves these complaints will extend to a stage where political revolution

will be encouraged.

In the silk industry there are some trade elements thoroughly dissatisfied with the new tariff, first because they think the rates are too high, and again because they think the tariff making has been too much in the hands of a limited circle withthe trade itself. Here, again, complaints will be heard, yet it seems very doubtful at this time whether they will be lasting to the extent of causing any serious disunion on tariff matters in the silk industry. Primarily, silk is a tariff nurtured plant, and there are plenty of men in the business who believe that the higher the tariff the greater the measure of prosperity insured for business

Wool and silk merchants have been the real fighters for protection in the textile industries, the others coming forward at different times when it has been desirable to secure special favors for fine cottons, or in more recent years, for the infant cotton industry in the South. This latter infant has developed most potently on the political side of his nature and New England veterans of high protective policies in legislation have learned many new lessons from it as to how selfishness in legislation can be best nourished.

In the cotton industry there are many merchants and manufacturers who believe that many rates are abnormally and unnecessarily high. But they are not political revolutionists. They may stand for their opinion in trade circles but they are hardly of the type that goes out to convince the voters in general that tariff principles are of vital interest to the general welfare of the elec-torate. They will accept their share of the good that may come from inordinate protection and will remain can become very fretful. If these politically silent on anything that illustrations are multiplied in pubwill overturn the course of party af-

very interesting chandising. thing to note that the importers of The trade as a whole does not in the soap used, and this is not plete early winter orders, and flax, hemp and jute products, have feel disturbed by anything that will properly washed out.

hot, or when there is too much alkali mills are working overtime to fine the soap used, and this is not plete early winter orders, and flax, hemp and jute products, have feel disturbed by anything that will properly washed out.

If the cause is the steaming, this minions and South America.

discussion new legislation will soon They appear to have been representbe on the law books and textile man- ed at Washington by skilled lobbyufacturers and merchants can go ists who knew how to get what they on their way rejoicing and readjust-asked without making much of a ing to new conditions. The tariff stir about it. In general, the meras it will stand on the books will chants in the linen and jute trades have had little to say in the way of complaint. Of course, most of hoped for. The wool tariff will of complaint. Of course, most of continue to be disappointing to them are importers, and they have many woolen and worsted manufac- probably been resigned to the highest sort of tariff taxes and have accepted their portion with the best grace possible.

In general, then, it may be said the textile trades are not inclined to be revolutionary in a po-litical way because of what the new

tariff bill contains.

It should not be understood from this that all factors in the dry goods business are docile in the matter of the tariff. Following the last na-tional election there were certain important men in the trade who came to the conclusion that it would be a good policy for them to stand aside on tariff matters and allow the Republican party to do its worst in the matter of enacting a highly protective tariff law. They said they would begin to act after the law was in operation.

Other men concluded to oppose the legislation as it came from the various committees and to go on record in opposition at every stage of the bill's movement toward enactment. These men have been aided in their low tariff efforts this year by the National Retail Dry Goods Association, some members of clothing organizations and notably by the Carded Wool Manufacturers' Association. They have gone on record in very clear opposition to many provisions in the new bill.

Whether the trades as a whole are likely to develop any very serious political opposition in the next two years can be judged as well by politicians as by the men in the trade who come in daily contact with the elements that are not at all docile the harness thrown over by the old guard in tariff politics

The sort of opposition that will be menacing, in the view of men in the trade, will not come from the politicians who may be shaping up plans for the election in November The opposition that is to be feared is the sort that manifests itself from day to day at the custom house appraisals, supplemented by the discussions of various phases of the operation of the new law, as it affects importers and large department stores. Where specific illusment stores. Where specific illustrations can be given of the adverse effect of the law, or its effect in enlaw, it is easy to see that proponents and supporters of the new hill licity channels, possibilities of a real end, the cause may be found in the

will give the largest measure of protection to certain kinds of goods not freely made now and which may be sold freely if they are made at popular prices in this country.

For the next couple of months the Government statistics on trade are holes, about one inch apart in both going to show a larger proportion of imports than will be seen in six months from now. The peak of importing under the Underwood bill and the restrictive effects of the em- pounds pressure. bargo was reached this week. figures will be taking their usual course in publicity channels until well toward December. After the turn of the year the real effects of the new bill begin to be apparent That will be after election.

In so far as uncertainly about the tariff is a merchandising factor—and it has been a very important one in textiles for a long time-it was removed after the bill left the Sonate There is no question of the President's signature seriously involved. For some time, or until the abundance of foreign textiles is lessened in the trade, competition for husiness on some lines will be sharn. While spectators are not regarded as a class willing to give away any possible trading profits many of them are in a position where they will want to sell as soon as they can.

This element may unsettle some lines of business. But in general the trade now feels that the menace of foreign textile invasion is out of the way for at least three years, and hence there is a strong undercurrent of opinion that the American markets will be prosperous compared with what may be doing outside. The textile trades are going to do business within the highest tariff wall ever known in this country, and the textile trades want tariff walls high -just now at least .- Journal of Commerce.

#### Shaded Goods.

(By Thos. J. Biery.

paper read to the Engineers Club, Boston, Mass., and reported in the American Dyestuff Reporter.)

Shaded goods are the bane of the dyer. Cloth to be of marketable value must be uniform in color and design as well as in finish. It stands to reason that a piece improperly shaded losses much of its value.

Many defects are caused in the finished fabrics by scouring and steaming. Among these defects the most common are what are known hancing the profit possibilities of to the trade as shaded pieces. Now various mills benefitted under the the question is how do these shades come and how can they be avoided?

When a piece is unevenly shaded. that is, when it does not shade truly from centre to side, and from end to fairs that bring about high protectariff political overturn can become steaming, or by improper scouring, fruly menacing to long future mer- as when the pieces are scoured too hot, or when there is too much alkali

After many weary months of tariff tariff squabbles of recent months mediate future. Consequently many is because the piece receives a more merchants are already devoting severe steaming in one part than study to the phases of the law that in another. The portion receiving more steaming than another will be darker in shade. Uneven steaming may be caused by imperfect perforations in the steam shell. The steam should come through the shell through countersunk perforated length and width of pipe, and should enter evenly from both ends of shell to center, and should steam from ten to fifteen minutes, at about ten

> The shell should have a thick covering so that when the steam comes contact with the cloth there will be an even distribution. This covering also prevents too much prssure. A very necessary thing is the leader. This is a wrapping wound around the outside of the cloth so that the cooling process will be uniform, that is, not too rapid nor work of the cloth so that the cooling process will be uniform, that is, not too rapid nor work of the cloth so that the cooling process will be uniform, that is, not too rapid nor work the cloth so that the cooling process will be uniform, that is, not too rapid nor work the cloth so that the cooling process will be uniform. more rapid in one part than in another. This gradual cooling, made evenly all over the piece, will produce splendid results. Evenness of shade requires an evenness of steam going through the cloth, evenness of temperature in cooling, and evenness of perforations in steam shell.

> This steaming may be done with vertical or horizontal shells. With the vertical there is more chance for the cloth to show shadiness than with the horizontal. The reason for this is that there is likely to be more condensation in parts, consequent upon the unequal distribution of the steam, and the result will be irregular shading.

All uneven shades, however, are not caused by steaming and scouring. They may happen in the dye-ing. Among the causes is a fluctuating steam pressure, for pressure is not even, the shading will not be even. Bringing pieces to a boil too quickly, or exhausting the dye bath too rapidly, will cause uneven shades. Also shading up with concentrated dyestuffs, or feeding on light shades, and cooling dye baths too quickly. Another cause is the rolling of pieces in kettles. This is caused by tight selvedges, and may be overcome in the manufacturing, or by tacking the selvedges before the goods are entered.

#### Scotch Textile Industry Active.

Consul Chamberlain, Glasgow, reports to the Commerce Department that conditions in the Scotch textile industries are much improved. Activity in the trade has recently been more marked than at any time during the past year and the looms are well occupied in the production of saxony, worsted, and cheviot goods for the coming winter trade. Numerous orders are reported from the United States, Canada, Belgium, and a fair amount from South American countries. The hosiery and underwear trades are less active but some mills are working overtime to complete early winter orders, and a fair demand exists in the British do-

#### The Weaving of Artificial Silk.

(An address before National Federa-chine is used for winding we tion of Textile Works Managers hanks to bobbins previous to f England, by J. W. Pennington, ing it on to tubes or pirns. Esq.)

Artificial silk is an imitation of this purpose are the horizontal worpireal silk, and while it possesses ing mill and the section warping many properties similar to natural machine. The V-creek should be silk it is by no means as substitute so far as its chemical composition is concerned.

There have been a large number of attempts to manufacture artificial silks from various substances to obtain as near an imitation of real silk as possible, but at a much lower cost. The most successful results have been obtained from cellulose, and all commercial artificial silks, have been produced from vegetable fibre either in the form of "wood pulp" or "cotton."

The principals are-Chardonnet silk or nitro-cellulose, gauzstoff or cuprate, viscose of Courtauld silk.

For many years now there been a demand for fabrics which contain artificial silk, and this has considerably increased during the last 12 years. It may be accounted for by the excellent lustre which the yarns and fabrics possess, also by the improved wearing and washing qualities which the yarns onw possess. The resistance to water has been greatly improved. ficial silk yarns are now introduced into an almost unlimited number of fabrics, many of which were formerly considered unsuitable for this yarn. Many manufacturers have now, by experimenting, found the most suitable way of preparing and manipulating the yarns to get the best results in the cloth. There is extensive and increasing demand both in the home and shipping trade for fabrics which contain this yarn.

Preparatory Processes. The yarn is devoid entirely of elasticity, but it can be stretched to a considerable extent, and does not regain as in cotton and worsted. should be observed that viscose silk must not, on any account, be placed in a damp or moist atmosphere, because the thread has a tendency to become weaker under the influence of moisture. When used in damp of moisture. rooms it is subject to undue stretch. which makes the thread very un-even and causes defects in the cloth.

Weft yarn may be purchased on tubes ready for weaving, or in hanks. in which form it may have been bleached or dyed. For warps it may be brought in hank, or cheeses, in ball, warp, or on beams ready for

Winding.

If the yarn is supplied in the hank it will be wound on to bobbins by a machine similar to that used in winding silk. This is a very light hanks being immersed in a solubobbins are driven by a frictional drive, which is you have tree is considerably affected. The success of viscose warp weaving during the last few years is attributed to the efficiency of sizing.

Hank sizing is the most common system for small quantities, the machine, and the speed is low. The tion of size and machine is your properties. drive, which is very sensitive and

Warping.

The most suitable machines for mill and the section warping hine. The V-creel should be machine. placed in the center of the machine that the angles formed by the threads are equal, the strain equal on all the threads from both sides the machine, and so that the thread will not come into contact with the side of the bobbin when being unwound. The bobbin at the commencement should be all about the same size, so that they will run at the same speed, keep the tension equal, and reduce dropping ends to a minimum. The material should be handled as little as possible at this stage, for if not sized the fila-ments are liable to be broken.

The horizontal warping mill is the most suitable where the warp can be built up in sections without having to handle the warp. The machine is so arranged that by moving the reed the sections can be built alongside each other if required. Also, when the required number of ends is obtained the weavers' beam or the back beam for the sizing machine can be placed and the warp run direct off the mill on to the beam in an even sheet without any risk of entanglement.

#### Beaming.

It is essential that the flanges, if they are used, should be set true, and that the width is the same as that it has to occupy in the loom The warper may also dress all bad threads and knots ready for the next stage of sizing. The warps may be run with from 20 to 26 ends to the inch on each beam, so as to enable them to open out in the size box during sizing.

#### Sizing.

To enable these warp yarns withstand the friction of the healds and reeds during the weaving, they are coated with a solution of thin flour and sago or some such substance as gelatine, but the quantity must be only sufficient for weav-ing purposes, and no weighting ingredients should be used as yarn will not absorb such material, but merely become coated with the substance. Single silk in warp gives the most pleasent effects, with from two to eight turns to the inch. With two-fold yarn the lus-

wrung out to remove any surplus size. The yarn is then wound on to so arranged that if any obstruction bobbins, made on the horizontal mill. takes place in unwinding the yarn or taken to the section warping from the hank the thread will hold frame and made into section warps, the bobbin stationary until the and then run on to weavers' beams winder releases the obstruction But with large quantities difficulthis has the effect of reducing the ties arise because the threads, being breakages to a minimum. Porce-composed of a number of loose fila-lain is placed on the guide bars and ments, tend to brak excessively. kept very smooth, this being the Recently a machine has been placed only hard substance the thread on the market in which the ends

comes into contact with from the can be sized and run on to the weav- stretch in artificial silk, it is advis-hand to the bobbin. The same ma- ers' beam at the time, just in the able to have as little tension on the chine is used for winding weft from same manner as in slasher sizing. hanks to bobbins previous to wind- The machine can also be satisfactorapplied to the sizing of colored yarns, providing the color, are fast to washing. The temperature of the size should be kept very low and the yarn dried before passing on to the weavers' beam.

For warps which contain a large number of ends, say, 1,500 or over, a rebeaming machine is necessary. This machine contains a warp dressing-frame headstock and a stand to hold the back beams. The threads slayed from the back beams through a reed and run on to the weavers' beams. The threads are slayed from the back beams through a reed and run on to the weavers' beam. Owing to the amount of his memory was unusual.

back beams as possible, especially when in contact wth size.

(Continued Next Week.)

#### Monument to Jack Iler.

Some time ago the friends of the late Jack Her, of Greenville, S. C., raised a fund for the purpose of erecting a monument at his grave and we learn that a very handsome monument has been completed and erected.

The inscription is: "In loving memory of Jack Her-Erected by his traveling friends.

Jack Iler was very popular not only with the mills but with his fellow salesmen and their tribute to



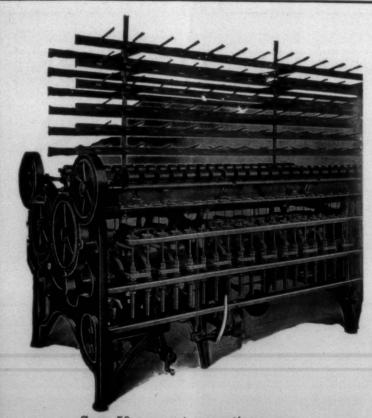
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Textile Industry More Active.

Washington.—In spite of labor difficulties "there was no significant recession in business activities during the month of August," declares the Department of Commerce's regular survey of curernt business.

The survey particularly points to increased activity in the textile industry declaring "the mill consumption of both cotton and silk was the largest for any month in the past two years." The survey of textiles

"A marked increase occurred in the activity of the cotton mills in Mill consumption of raw cotton for the month totaled 527,404 bales, an increase of nearly 66,000 bales over July and the largest consumption reported for any month in the last two years. Exports of cotton, on the other hand, were 100,000 bales less than in the preceding month and at only 273,308 bales represented by far the lowest export for any month in two years. Mill stocks of cotton declined again in August although there was a slight increase in warehouse holdings due to the early crop movement. The tain the trade in lastings, poplins, total stocks in both positions was venetians, and Italians, the Japanese 2,575,000 bales on August 31, 1922. compared to 2,703,000 bales a month before and 4,470,000 bales at the end of August last year. There was a slight drop in the New York price of raw cotton while the price of cotton manufactures tended to increase slightly.

The Boston price of wool, as well as the price of woolen manufactures remained relatively stationary in

"Silk consumption, as measuerd by warehouse withdrawals, showed ish a marked increase in August. total of 34,772 bales is the largest reported for any month on record Stocks of raw silk also increased amounting to 32,515 bales, which is the largest holdings since December The price increased slightly.

#### Manchuria's Cotton-Goods Imports.

The cotton piece goods trade in Manchuria at present is considered fairly satisfactory. Toward the close of 1921 it was noticeable that stocks being liquidated slowly but steadily and that inquiries from the interior were increasing. The decline in the 1921 imports of some north.-Commerce Reports. important lines of cotton piece goods was due to the large stocks held Knit Goods Body Would Eliminate over from 1920 and to the fact that Trade Abuses. the mills in Japan shortened work ing hours and reduced their output The decline in imports was also against certain manufacturers partly due to the increased activity in the matter of abuse of meth Chinese mills, the products of which have in a measure outsted which have in a measure outsted goods was decided on at meeting of foreign cloth from the market. But the National Association of Hosiery such goods as dyed drills, jeans, turand Underwear Manufacturers, held key reds, T cloths, and colored last- in the Hotel McAlpin. The associatings and venetians, which, being of tion is to cooperate with the Assofiner material, are above the competition of the details. petition of native manufacture, continue to hold their own.

are still at a very low figure, and Commission in an effort to bring without conscientious sales activity about Federal action against the on the part of Americans the future does not look very bright. Cloth of resent their merchandise. British manufacture likewise makes This action, it is said, in practically every line.

In shirtings, the American imports in 1921 were 10,030 pieces and the British 115,740; the best demand is for over 11 pounds and more than 110 threads per square inch. Under sheetings, the American cloth imported amounted to 75,728 pieces and the British 13,114; the demand was mostly for the cloth of over 11 pounds with 110 threads or less. British drill disappeared from the market, American imports amounting to 11,750 pieces. No American jeans were imported, and British cloth declined to 37,084 pieces.

In T cloths, the greater demand was for the cloth of 32-inch width about 75 per cent of the imports coming from Japan, the remainder from England. A small demand existed for the 36-inch width, but little business was done in the bleached cloth of 32-inch width. The latter two varieties come almost entirely from England. In chintzes and plain cotton prints the imports from Great Britain and Japan were about equal. The same applied to Turkey.

red coffons The British cotton-goods houses are putting forth every effort to recompetition being confined to plain colored italians. In plain colored

lastings Japanese cloth represented 70 per cent of the imports, and in figured poplins 50 per cent. The British cloth had no competition in figured lastings, figured, plain colored, and plain fast-black venetians, and figured and fast-black italians Imports of these types of cloths

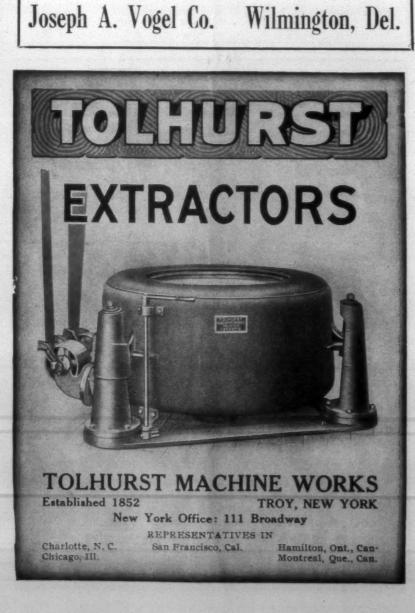
from the United States were insignificant.

In flannelettes, American and British exporters are contesting the strong hold of the Japanese, and with some success. "Japanese cotwith some success. "Japanese cotton cloth" is also known as imitation native cloth and is an imitation of what is known to the trade as nankeens. In cotton velvets and velveteens the 1921 imports from Great Britain were 90 per cent of the whole. Most of the cotton blankets came from Japan.

The imports of cotton textiles into Manchuria during 1921 totaled \$24,-000,000. Of this amount \$11.500,000 worth was imported through Antung, \$7,200,000 through Dairen; and the balance through Newchwang and smaller customs districts in the

New York. Concerted action in the matter of abuse of methods by which they are marketing their goods was decided on at meeting of World, and the result of the deliberations of these two bodies will be Imports of American piece goods turned over to the Federal Trade concerns which are said to misrep-

This action, it is said, will be a a poor showing. An easy monopoly direct blow to certain hosiery mills of the trade is had by the Japenese which have recently embarked in a house to house canvassing cam-



paign, and in so doing are said to cash reserves on hand.
have violated standard business Much cotton is being imported by have violated standard business ethics. Concrete efforts will be made by the two associations to stop alleged mis-representation of a firm which sells direct to the consumer, and which advertises its merchandise on a national scale. It is alleged that on opening a box of this companys' hosiery there is a fly-leaf which purports to describe the stocking, showing a picture of the stockings on form, and calling attention to various features thereof This advertisement is believed by the National Association of Hosiery and Underwear Manufacturers to seek to convey the idea that it is a stocking with the seam up the back, with fashioned marks, and that it is silk from toe to knee.

A determined stand against the efforts of the Southern Wholesale Dry Goods Association to obtain terms of ever, due to the fact that dyes are 2-10-60 extra from hosiery and unnot altogether fast, this trade has 2-10-60 extra from hosiery and underwear mills will be made by the National Association. At the directors' meeting Gustave Oberlaender chairman of a committee appointed to draw up a proposed contract between the association and the Jobbers' Association of Knit Goods Buyers, to be presented at the annual meeting of the latter body in January, next, submitted a contract in which the other members of the committee—W. H. McLellan, of Alden Mills, New Orleans, and F. L. Miller, Jr., United States Hosiery Mills, Chattanooga—concurred. The question of terms is handled on a Washington.—A slight increase in basis of net 10 days or 2-10 net 30 the general activity of wool machindays. In addition to selling terms. the contract embodies provisions for buyers' credit, strikes and casualties deliveries, claims, warranties or modifications, confirmations, details. adjustments and arbitration, etc.
. Of the 14 directors present there

was a unanimous expression in favor of short terms. It was stated that mills, jobbers claim they get terms of Of 60 days on wool hosiery, but it was er the pointed out that this is a one season 64.7 r proposition, and furthermore, wool yarns are sold by the spinners on a 60-day basis. It was asserted that longer terms handicap the jobber who can and does discount his bills.

#### Swiss Textile Industries Cautious.

Although the majority of the Swiss spinning and weaving mills are now working on orders which will carry them through October, November. and December, the opinion is curren' that duller times are forthcoming. according to a dispatch just received from Edward T. Pickard, chief of the Textile Division, who is now traveling through Europe investigatporters. In support of this opinion cent in July, 59.9 per cent in June. it is brought out that the exchange and 69 per cent in August, 1921. compared with that of the currencies of the surrounding Europear countries. This has tended to make wages and costs of production in the Swiss textile industries high from a competitive standpoint. To protect the home industries imports of Zululand. In the two latter regions some classes of cotton yarns and cloths were restricted until rather recently. In spite of this pessimism mills are in excellent financial conmills are in excellent financial con-was a tendency to regard it as an dition, operating on a profitable even more profitable undertaking basis (with little or no commercial than sugar itself. paper outstanding, and with ample

Swiss merchants from America vi: Antwerp, and there is a substantial of 4,000 pounds of lint. The falling sales during a portion of the year export trade in cotton yarns with Germany despite the violent fluctuations in, and depression of, the mark. Good qualities of finer yarns, 60s-200s, are being imported from England. This trade is estimated 1094,000 pounds of lint. The falling sales during a portion of the year export trade in cotton yarns with off is attributable to lower prices was partly due to the quality of the and unfavorable weather conditions cotton. For various reasons seed has during the early part of the year become mixed, yielding cotton of and the beginning of the harvest mixed varieties and length, which is For a time the cotton planters were a serious drawback from the manuumable to dispose of about half of facturer's point of view. to approximate 11,000,000 pounds an nually. Fine and coarse cotton yarns were imported by Swiss weavers from the United States in 1916 to in actual quantities approximating 650,000 pounds, but this trade is at present at a standstill.

The Swiss market for fine cotton goods is very active at present, large quantities of gray goods coming from England to be finished locally. The best market for these cloths today appears to be America. Howcertain limitations. Stocks of fine cotton cloths and yarns are reported by dealers as large

The Swiss artificial-silk trade is active, large exports going to England. On the contrary, the embroidery trades are experiencing a serious depression due to the change of fashion requirements, accumulated stocks, and competition in the United States and other export markets where Swiss embroideries have enjode prestige.—Commerce Reports.

#### Wool Machinery More Active.

Washington.-A slight increase in ery during August as compared to the previous month is reported in the active and idle wool machinery report of the Bureau of Census, Department of Agriculture, brought up to September 1. The report sum-marizes the statistics of 954 manufacturers operating a total of 1.150

Of the total number of looms widthan 50-inch reed space, 40,593, or 64.7 per cent, were in operation for some part of the month of August, and 22,195 were idle throughout the month. The active machine hours reported for wide looms for the month of August, 1922, formed 63.6 per cent of the single shift capacity as compared with 62.8 per cent for the month of July, 63.8 per cent for June, and 76.7 per cent for August.

Of the total number of looms of 50-inch reed space or less covered by the reports for August, 1922, 12. 267, or 67.5 per cent, were in operation at some time during the month. and 5,905 were idle. The active machine hours for these looms repre-

Although cotton has been grown in South Africa for many years, only since 1910 has any real progress been made. The chief centers of production are the Transvaal, cotton has been grown as a rotation crop with sugar and during the period of high prices in 1919 there

The cotton crop for the year 1921

estimated to be lighter than that for the 1920 crop. Under these discour-

Much cotton is being imported by the previous year, which totaled 2,- aging circumstances planting was Swiss merchants from America vi; 592,200 pounds of seed cotton, or 1,- naturally restricted. The absence of Antwerp, and there is a substantial 094,000 pounds of lint. The falling sales during a portion of the year

### A PURE SALT

MYLES SALT CO., LTD.

### MERROWING

Established 1838

Stocking Welting Toe Closing Mock Seaming

Maximum Production Minimum Cost of Upkeep Unexcelled Quality of Work

THE MERROW MACHINE COMPANY

20 Laurel Street, Hartford, Conn.

### The Coal Situation at a Glance

(By the Alexander Hamilton Institute.)

The average price of bituminous coal has dropped to \$5.08 from \$6.73 at the beginning of August, the high point reached during the strike. This compares with \$2.05 at the beginning of the strike. Production of bituminous coal has shown a rapid increase, and it is now running above the rate of consumption, consequently reserve supplies are again being replenished. Naturally, the increase in output is not immediately easing up the situation all over the country, because of the time necessary for transportation. The coal reserves of various industries, and especially of those located some distance from the mines, were so depleted during the strike that they are likely to suffer while the transportation problem is being worked out.

The lowest weekly output of bituminous coal during the strike was 3,600,000 tons. Production for the week ending September 2 amounted to 9,100,000 tons, which compares with an average rate of consumption of slightly over 8,000,000 tons. There will be an increase consumption of bituminous due to the delay in settling the anthracite strike until this month. Normally 45 million tons of anthracite are mined between April 1st and October 1st. This year the output for this period will amount to 5 million. This means that the weekly supply will run short during the Winter months, since the Winter rate of consumption is close to 2,500,000 tons anthracite, while the mines cannot produce much over 2 million tons

Therefore it is up to everybody to save .

States Grates will save 20% of the amount of coal consumed and will increase the steaming efficiency of the boilers 50%. They will pay for themselves in from 30 to 60 days. Write today for terms and expert survey of your plant.

### Eureka Iron Works, Inc.

Lincolnton, N. C.

### BETTER NON-FLUID OIL LUBRICATION

### John was a Shrewd Worker

He noticed that liquid oil spattered from bearings and had to be replaced frequently-so he asked the Superintendent if there wasn't some lubricant that would stay in the bearing.

And the Superintendent said. "Yes"-"Let's try



and both John and the Superintendent were pleased. John because there was less oiling of the machine and no bother from oil stained

While the Superintendent was glad to notice that the machines were kept in smoother running condition with less cost for lubricants. And the absence of oil stains made production look better.

Better write today for that testing sample

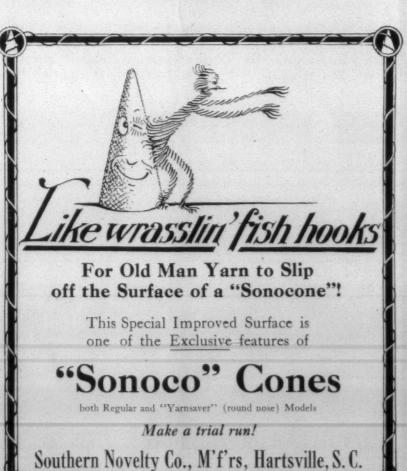
#### NEW YORK & NEW JERSEY LUBRICANT CO.

401 Broadway

New York

Southern Agent, L. W. Thomason, Charlotte, N. C. Ample Stocks at our Branches: Charlotte, N. C.; Greenville, S. C.; Atlanta, Ga.; New Orleans, La.

### AT LESS COST PER MONTH



### Made-in-Carolinas Exposition

Installed in a new and specially constructed building the annual Made-in-Carolina Exposition opened in Charlotte on Monday morning with a splendid array of exhibits including a much larger number of cotton goods exhibits than formerly.

The following exhibits relate to cotton goods or cotton mill accesso-

Spindale Group.

the products of the textile plants located at Spindale, N. C., as follows: Combed yarns of the Cleghorn Mills, Spencer Mills and Spindale Mills ranging from 40s to 70s. Mercerized skein yarn of the El-

more Company and rag rugs of the Horn Company.

Lisle and Cotton half hose of the Parsley & Tanner Co.

The feature of the exhibit was the beautiful line of dress gingham manufactured by the Stonecutter Mills. One line of those goods made from 50s combed yarns, will com-pare favorably with any made in this country

Company has a beautiful collection of cotton goods and hosiery made by mills in North and South Carolina of which were dyed with Du Pont fast dyes.

The feature of the exhibit was gingham dresses in duplicate patterns, one dress in each case being just as first made and the other after being laundered ten times display showing the w The ability of the colors to with- yarn mercerizing plant. stand ten washings showed their fastness.

Anderson Mills, Inc.

The Anderson Mills, Inc., of Lincolnton, N. C., showed a strikingly beautiful line of colored ratines, also both plain and two way ratines in the grey. They also showed bleach cloths and duck.

Melville Mills.

woven into shirtings by the Cather-cloth. ine Mills, Shelby, N. C.

Cocker Machine & Foundry Co.

The

Cocker Machine & Foundry Co.

The Cocker Machine & Foundry and Kannapolis showed high grade Company, of Gastonia, N. C., extire cord fabric and wide sheetings.

hibited protographs of their well known dyeing and warping machine. hibited protographs of their well known dyeing and warping machinery much of which has been denoted by them to fill special needs. of their bleached and dyed products.

Ranlo Mfg. Co.

The Ranlo Manufacturing Com-pany, Ranlo, N. C., manufacturers of had a very attractive exhibit of their high grade tire fabric and cord fab- Chambrays, Roseglen and Dorian rics showed a full line of their dress ginghams products.

The Morrowebb Mills, of Dallas, N. C., showed high grade combed yarns, with a large assortment of goods made with their yarn.

N. C., had a beautiful display of their dress flannels and Catawba plaids.

Trenton and Dixon Mills.

The Trenton Mills and Dixon Mills combed yarns of superior quality.

McLean Mfg. Co.

· The McLean Manufacturing Company showed a beautiful line of table damask and napkins.

Gray-Separk Chain.

The Gray-Separk chain of mills had a booth with comfortable chairs and showed upon the walls photographs of their varoius mills.

J. E. Sirrine.

J. E. Sirrine, Inc. mill engineer of A very attractive exhibit showed Greenville, S. C., showed proto-ne products of the textile plants graphs of the various mills they exated at Spindale, N. C., as follows: have designed. Their exhibit was in charge of A. S. Bedell, G. P. Patterson and Fred Bryant, all of Greenville, S. C.

Howell Mfg. Co.

The Howell Manufacturing Company, of Cherryville, showed their yarns with shoe laces, suspenders, etc., that had been made from them.

Cherryville Mfg. Co.
The Cherryville Manufacturing
Company, of Greenville, showed a line of yarns with samples of edging, tapestry, etc., made from them.

Josephine Knitting Mills. The Josephine Knitting Mills, of Cherryville, N. C., displayed a beautiful E. I. du Pont de Nemours & tiful line of their ladies hose:

Rhyne-Houser Mfg. Co.

The Rhyne-Houser Manufacturing Company, of Cherryville, N. C. showed their combed yarns after being dyed and mercerized.

American Yarn & Processing Co.

The American Yarn & Processing Company, of Mount Holly, N. C., had a very large and well arranged display showing the work of their

They also had a complete exhibit showing the various processes from the cotton bale to mercerized yarns.

Myers and Rankin Mills The Myers Mills and the Rankin group of Gastonia did not make a but provided comfortable for the visitors to their display chairs booth.

Gibson Mills.

The Melville Mills, Cherryvile and Linconton, N. C., showed combed C., showed a beautiful line of Conyarns and the same yarns after being cord Zephyrs and Gibson Knicker

Locke Mills.

Bahnson Co.

Spencer Mountain Mills.

The Spencer Mountain Mills, located by the Bahnson Company, of ed near Ranlo, N. C., exhibited their table damask and napkins.

Morrowebb Mill.

The two humidifier heads exhibited by the Bahnson Company, of ed by the Bahnson Company, of the captible with the captibility of the captibility of the captibility of the captibility. with the exhibit.

Franklin Process Co.

The Franklin Process Company, who recently established a large plant at Greenville, S. C., showed a McAden Mills.

The McAden Mills, McAdenville, wide variety of yarns dyed by their patent process. It was an exceedings flannels and Catawba plaids.

Moregyille Cotton Mills.

renton and Dixon Mills.

Trenton Mills and Dixon Mills

Combined exhibit showing Mooresville, N. C., had an attractive and very well arranged exhibit of their Elsee flannels, Nestledown twills, wide duck and denims.

Barnhart Mfg. Co. The Barnhart Mfg. Co., of Charlotte, made an excellent display of system

their various grades of battings.

Belmont Group.

mercerized

Earle Textile Co.

The Earle Textile Company, of Morganton. N. C., hosiery jobbers play of the hosiery which they sell their fine sheetings and lawns.

They also had two knitting machines in operation. in operation.

Wilmington, N. C., well known as displayed children's dresses made manufacturers of ceptic tanks, of the same goods, showed some of their smaller pro-

Charlotte Clothing Mfg. Co. The Charlotte Clothing Manufacturing Company had an exhibit of samples of men and boys pants.

North State Creosoting Co. The North State Creosoting Company, of Charlotte, exhibit samples The of creosoting shingles and wood tonia, blocks.

Park Mfg. Co.

an The Park Mfg. Co., of Charlotte. exhibited the lifting mechanism of one of their elevators.

Southern Industrial Institute. The Southern Industrial Institute displayed cotton goods specialties made by their students

entire exposition was the towel dis-ulay by the Kannapolis Manufacturing Company, of Kannapolis. N. C. Being the largest manufacturers

towels in the world their display of hucks, crashes, bath and other towels could not be exceeded anywhere. J. Alex Caton was in charge.

Industrial Cotton Mills. The Industrial Cotton Mills of Rock Hill, S. C., exhibited their line of high grade blue denims.

Allen Overall Co.

The Allen Overall Company, of hibit was a n Charlotte, who do a direct by mail pipes and rods. business displayed a well appearing Chatha line of overalls.

General Asbestos & Rubber Co. The General Asbestos & Rubber Company, of Charleston, S. C., had a asbestos yarns, brake linings, sheet

Marietta Paint & Color Co. their exhibit we of camel hair.

The High Point factory of the of camel hair.

Marietta Paint & Color Company, exhibited samples of ther paints and varnishes and sample boards painted National Associ their products.

played samples and illustrations of their Tenacity paints

and 1800 zephyrs.

J. N. McCausland.

J. N McCausland & Company, of Charlotte, exhibited samples of their line of work, including a blowing

Highland Park Mfg. Co. The Highland Park Manufacturing The Belmont, N. C., group of mills Company, of Charlotte, had a ging-had a very large display of their ham loom in operation surrounded high grade combed yarns and also by a beautiful and well arranged dis-showed many of them after being play of their domino ginghams, spencer and peanette dress ging-hams and Johnston cheviots.

Chadwick-Hoskins Co.

The Brogan Mills, of Anderson,
S. C., had a very attractive display
The Cement Products Company, of of their Ladlassie Cloth and also

The Statesville Cotton Mills, Statesville, N. C., manufactures of Charlotte and Hickory, displayed a large assortment of their blue denim overalls.

The Southern Ice Machine Company, of Charlotte, displayed their ice making machinery and also their ice water systems, many of which are being installed in cotton

Peidmont Iron Works.

The Piedmont Iron Works of Gastonia, N. C., had on display iron and brass castings.

Leaksville Woolen Mills.

. The Leaksville Woolen Mills, of Leaksville and Charlotte had a beautiful display of blankets and slasher

Charlotte Mfg. Co.

The Charlotte Manufacturing Company had a card clothing machine Cannon Mfg. Co.

One of the most tastefully arnanged and attractive exhibits of the

J. Van Lindley Nursery. The J. Van Lindley Nursery, of Pomona, N. C., had an attractively arranged booth with a few potted shrubs.

Southern Power Co.

The Southern Power Company had a large space in which they showed photographs of their power developments and many charts.

Southern Engineering Co.

The interesting feature of the Southern Engineering Company exhibit was a machine for bending

Chatham Mfg. Co.

The Chatham Manufacturing Company, of Elkin, N. C., and Winston-Salem, N. C., the largest manufacturer of wool blankets in the United very attractively arranged exhibit States had a very elaborate and well of their asbestos products such as arranged display of their blankets States had a very elaborate and well lap robes, automobile robes, couch covers, etc. An interesting part of their exhibit were ladies scarfs made

Plans for the amalgamation of the National Association of Knit Goods Selling Agents with the National As-Atlantic Paint & Varnish Co. sociation of Hosiery and Underwear The Atlantic Paint and Varnish Manufacturers are complete except Company, of Wilmington, N. C., disfor a few technical points that will probably be straightened out during the next few days, according to John Delgado Mills.

Nash McCullough, secretary of the Delgado Mills, Wilmington, latter organization, in a statement N. C., had a beautiful exhibit of following a conference with Jerry their Lorna Doone dress gingham J. Quainlan, presidnt of the Selling Agents' association.

### **Odd Lots Cotton**

Odd lot orders solicited for the purchase and sale of Cotton for future delivery

Special Attention to Mill and Dealers' Hedges

J. S. Oliver & Co.

59-61 Pearl St., NEW YORK

# ARD BANDS

Spinning Twister Spooler Bands Braids Tapes Cotton Rope

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Seamless—and as smooth as glass INSIDE AND OUT

Strong Turned Over Top-Clear Entrance and Exit

In addition to the above advantage there is no top sway in this or any other Laminar Roving Can. And the sliver always coils up evenly inside. We think little need be said about the quality of this Can—the fact that it's a Laminar guarantees that it will be on the job years from now. Make sure also that when you buy fibre trucks, boxes, baskets and cars that your order calls for Laminar Receptacles.

We'll send a book on receptacles. Tell us where.

AMERICAN VULCANIZED FIBRE COMPANY Sole proprietors and manufacturers New England Dept.: 12 Pearl St., Boston

C. C. Bell, Vice-President,
Resident Manager
Home Office-Wilmington,
Delaware
Factories at Wilmington and
Newark, Delaware



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### 10 BALES COTTON

Orders solicited for the purchase and sale of Cotton for future delivery in units of ten bales and multiples of ten. Present marginal requirements \$10.00 per bale.

### EBLIN & COMPANY

**COTTON MERCHANTS** 

115 Broad St.

New York City

Members Odd Lot Cotton Exchange of New York



#### WENTWORTH Double Duty Travelers

Last Longer, Make Stronger Yarn, Run Clear, Preserve the SPINNING RING. The greatest improvement entering the Spinning room since the advent of the HIGH SPEED SPINDLE. Manufactured only by the

National Ring Traveler Company Providence, R. I.



### The Relation of Yarn Cleaning to the Trade

(By H. D. Martin.)

ing devices. work. This means the use of very fine reeds, small eyed knitting needles and sewing needles. This makes it imperative to have yarns

duct. The surface of dress goods with this extra service of yarn man-and other wearing apparel, also ufacturing. special goods, must be free from imperfections as possible.

All of these changes combined made it necessary to invent some kind of yarn cleaning devices. The result has been that many useful inventions have been brought out and, patented for the purpose of cleaning yarns. Some of these are

possible, even with our most modern for inferior yarns.

done after the cotton has been spun machines, in order to pay for the into yarns. In other terms, as is job, must operate as continuously often expressed nowadays, some of as possible, so that as long as they the "carding must be done in the run right, they are producing. It is flinishing room" if expert manufacthe interruptions during the proturing is to survive the critical demand of some buyers

There is still another factor which enters into the problem which ne- mum of casualties, and enables the cessitates the cleaning of yarn, and machines to run at a higher speed that is the cost of producing at the and many continuously. that is the cost of producing cloth and more continuously. of any kind from yarns. Wages are high and hours of labor short, and have yarns as free from breakages ages which take place with neppy and otherwise imperfect yarns, valpoor goods.

Therefore, it is found more profit- speed has been reduced. able to pay more for better cleaned The first method of yarn cleaning yarns, and which in turn enable a was to run the yarns through sea

Modern methods have brought out cents per, pound net. On a producthe necessity of having yarn clean-tion of 50,000 pounds of cloth per This is an age of fine week, this means a net saving of \$1.500 per week.

It can thus be understood that the matter of yarn cleaning is not only a matter of a higher art in cotton as free from imperfection as pos-manufacturing, nor one of diplom-sible. acy; but that it is a matter of dol-This age is also one of taste in lars and sense. It is the cash value wearing apparel. People of refined of this new scheme at both ends of tastes demand an immaculate pro- the line which counts in connection

The yarn manufacturer makes an adidtional small profit for the trouble of the extra good cleaning of his yarns, which, of course, is a good inducement for him to give this this extra good service. It also gives the yarn maker an extra good market. This is so evidently true that it might be added that even very practical and have been adopt-during the big yarn trade depression ed into the service of yarn cleaning of this year, the extra good yarn very successfully. manufacturer has suffered very lit-The better the carding, facilities the depression compared to the orand the finer the yarns, the more dinary yarn maker. Yarn consumuseful the yarn cleaners have beere are willing to pay more for come. This means that it is im-extra good yarns than to pay less

system of carding and spinning, to The knitter, weaver, braider and remove all of the neps, bunches and lace makers spend long periods other irregular things from the sur-stringing-in and drawing-in their face of our fine yarns.

Some of the cleaning must be all hung up ready to operate, these cesses of manufacturing which cost the most. A smooth, even, strong well-finished yarn entails a mini-

Having thus explained the merits of yarn cleaning service and its reas the production of fine work is lation to the finished article, the very slow, it is highly important to reader may well understand why there is now a larger permanent deas it is possible, to produce goods mand for extra well cleaned yarns, more rapidly. Besides the break- It is for this reason that during the past year or more, processes in yarn manufacture have been rearranged uable needles are broken in knitting to bring about this much desired ef-and sewing machines. These break- fect. Pickers and cards have not and sewing machines. These break-fect. Pickers and cards have not ages often cause additional injury only been slowed down, but smaller to the machines, besides making amounts in weight per yard have been put through, even after the

larger production of more perfect sponges. While this primitive methgoods, than to pay less for yarns od accomplished some good, as did which in turn, produce less and also the use of brushes through which in turn, produce less and also the use of brushes through poorer goods. To make the matter which to pass the yarns, the sponges still plainer, it does not pay to save soon became cut-in and rendered say 5 cents per pound on the pur-worthless. Then the gassing massay 5 cents per pound on the pur-worthless. Then the gassing massay 5 cents per pound on the pur-worthless. say 5 cents per pound on the purworthless. Then the gassing machase of yarns and then spend eight chine came into vogue. While this cents per pound more to produce the process burned off the hanging goods wanted. The far-sighted, exlints, etc., it did not remove the pert manufacturer prefers to pay neps and other bunches, leaves and five cents per pound more for the other things. Neither did the gassyarns which are well cleaned and ing add strength to the yarns. Even yarns which are well cleaned and ing add strength to the yarns. Even which prevent the excessive cost of running the yarns through sponges his cloth production. If, by spend-over-heated and burned the yarns ing five cents more per pound for some. What was really needed was his yarns, he prevents an extra cost a cold or none-heating process of of eight cents per pound to manu-cleaning yarns. This was brought facture his cloth, he has saved three about by the invention of the fine

tooth thread guides, and the later Underwear Production Increased in knife blade devices, some of which August. work marvels in yarn cleaning per formances. Millions of pounds of yarns and threads are also dressed, polished, burnished and some goods are so important to the trade that they are even hand polished. Special yarn cleaning service, while costing somewhat more than ordinary yarns, the cost is not always caused by the cost of the extra process as most yarns can be cleared while passing through some regular process by the installation of some cleaning device either at the spoolers or on the winders.

This is evidenced by the fact that the offices of many executives of both producers and consumers of yarns, are now equipped with testing laboratories.

the revolving black board, upon cancellation 2.1 per cent. and pro-which may be wound ten or more duction 80.1 per cent. yards of yarn. As this yarn is seen against the black board, all defects stand out in plain sight. These be counted and recorded.

Next, this yarn may be run 626 dozens, valued at \$649,752. For through the cleaning testing device in the laboratory, and the breakages, also the cause of same, record-at \$3,022,497.

strength, elasticity, recoil, turns of twist per inch, and size. The re-sult of this daily testing is recordanalysis.

Thus the yarn cleaning business possible to produce.

Production of underwear in the month of August in 49 mills amounted to 519.511 dozens, or 68.8 per cent of normal, according to the current report of the Federal Reserve oBard. Production in the same number of mills in August, 1921, amounted to 433,875 dozens, or 66.6 per cent of normal. Production of winter un-derwear, 341,713 dozens, was about twice that of summer goods, which amounted to 177,798 dozens in the mills reporting.

Comparative reports for July and Altogether, this extra service has become so important that high mills show an increase in shipments grade yarn makers watch their cancellations and production. Unyarns and cleaning processes very filled orders on hand at the close of the month, however, registered a loss of 139,643 dozens and new orders ves of both producers and con-imers of yarns, are now equipped it testing laboratories. Were 70.7 per cent of normal pro-duction; shipments 91.5 per cent;

> The value of exports of cotton underwear from the United States during July, as reported by the Department of Commerce, totaled 175,-626 dozens, valued at 8649,752. For

Lastly, this yarn will be tested for More United States Gray Sheetings in Bombay.

The total imports of gray sheeted in some convenient form and then ings into Bombay in the fiscal year distributed to the various heads for ending March, 1922, were 31,700,000 yards, compared with 44,000,000 the corresponding period, 1920-21, says becomes one of the most closely Consul Wilson, Bombay, in a report followed-up trade, to produce as to the Department of Commerce scientifically perfected yarn as if is Imports from the United States rose from 4,441,000 to 9,715,000 yards

UNIFORM IN APPLICATION

Victrolvn

A dependable assistant in sizing Cotton Warps

SOLE MANUFACTURERS

Works and Office, Atlantic, Mass.

Bosson &

# Tiger Tan Round Belts

Sewing Machine Belts

WHITIN MACHINE WORKS

TEXTILE MACHINERY

Manufacturers of the following machines:

COTTON MACHINERY

COTTON WASTE MACHINERY

COTTON AND WOOLEN SYSTEMS

Condensers Tv Special Spinning Frames

WOOLEN MACHINERY

WORSTED MACHINERY Cone Roving Frames

MAIN OFFICE AND WORKS HITINSVILLE, MASS. U.S.A. SOUTHERN OFFICE CHARLOTTE.N.C.

Drawing Frames
Roving Frames

Spoolers

Revolving Flat Cards Derby Doublers

Roving Frames
Spinning Frames

Spoolers

Condensers
Wool Spinning Frames

Spinning Frames

Twisters

Reels Quillers

Opening

Conveying Distributing

Revolving Flat Cards

Sliver Lap Machines Ribbon Lap Machines

Combing Machines

Full Roller Card

Picking

Pickers Willows

ard Feeds

Card Feeds

Full Roller Cards

Tiger Tan Round Belts were developed through scientific research to meet the de mands of the more modern designs in sewing machine enginering and have be-

increasing production

Tiger Tan Round Belts will keep your machines spinning every minute of the day at their maximum speed. They never harden, glaze or crack and are always flexible and elastic. Tiger Tan Round Belts will eliminate power losses, time and expense of repairing and replacing broken belts and the wasteful use of ordinary round belting-and will do it economically.



Belt is coiled on spools of 100 and 500 feet in the following full sizes: 1/4", 9/32", 5/16",

## are Economical

come a big factor in cutting costs and

### The Macrodi

FIBRE HEAD WARP SPOOL

after fourteen years of the hardest mill use has demon-strated that it is

Durable - Economical

Write for particulars of the added traverse with corre-sponding increase in yardage— an important feature of this

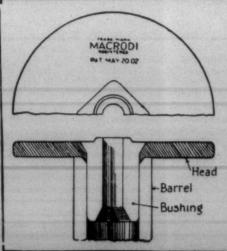
MACRODI FIBRE CO Weensocket, Rhode Island

### **Baltimore Belting Company**

Factory Baltimore, Md.

Southern Branch

Full Stock Carried at Our Southern Branch House



# SOUTHERN

### Published Every Thursday by CLARK PUBLISHING COMPANY

Offices: 39-41 S. Church St., Charlotte, N. C.

-----Managing Editor D. H. HILL, JR .....

SUBSCRIPTION One year, payable in advance.. 

Contributions on subjects pertaining to cotton, its manufacture and distribution are requested. Contributed articles do not necessarily reflect the opinion of the publishers. Items pertaining to new mills, extensions, etc., are solicited.

#### ADVERTISING

Advertising rates furnished upon application.

Address all communications and make all drafts, checks and money orders payable to Clark Publishing Company, Charlotte, N. C.

#### THURSDAY, SEPTEMBER 21, 1922

#### Urged to Assist in Keeping Yarns South would only awake to the sit-shiners only use lye because their lished cotton firms that do a large Down.

The truth and justice of our last week's editorial is plainly shown by the following extract from a Philadelphia yarn market report:

"One of the leading local factors all concerned, from now on, it on hand exceed sto ought to be the function of this pounds per spindle. market to assist cotton textile manufacturers in obtaining supplies as consumers of yarn have sold for cheaply as possible.

tribution of yarns at the lowest last fall.

that they are going to strive to keep other sold at 391/2 cents. the prices of yarn down to the lowest possible point.

ments are receiving 5 per cent com- holders of his mill. mission for selling the yarn of the Of course, the yarn dealer told Southern Mills and as agent of the him that the customer was offered yarn mills and under the ordinary the yarn elsewhere at 391/2 cents. business code of morals, they should a hackneyed lie that is being worked mills but they openly announce that this time. prices.

profits but when every yarn mer- yarn situation. chant in Philadelphia knows that yarns have been at or below cost for two years and are not showing the mills a profit today.

In our opinion the yarn consumers mountain corn liquor.

uation yarns would advance from supply of hen house manure is not business with Carolina mills. five to 10 cent's per pound.

We are reliably informed that

We are also reliably informed that hen manure. also advocate concentration of ef- ed with yarns under the delusion the hotel fare. forts to give the widest possible dis- that cotton would decline as it did

Two yarn mills sold 24/2, of ap-going pretty far. In plain English the leaders in proximate equal quality, last week. Philadelphia yarn trade announce One received 45 cents while the

We have a pity for the poor boob who sold at 391/2 cents but we have The men who made such state- a deeper sympathy for the stock-

fact that a clarion call, against high-

#### Pure Corn "Likker."

price of yarns is, however, not with- chinery house recently wrote the staple cotton. out significance for such a cry does president of the company that when

"It is made in all sorts of places of Atlanta. under the most insanitary conditions. Union Co cans, old wash boilers, zinc kettles other And one would not believe, without seeing it, the kinds of stuff out of which the liquor is made. Waterand muskmellon melon grapes, potatoes, meal, and other berger Bros., and Kenneth Grigg things usually gathered from gar- & Co., both firms located at Lincolnused for making bage cans, are mash, and into this is dumped concentrated lye, and even the refuse from horse stables, to aid in the Parker & Co., of Gastonia, N. C., fermentation of the mash from specialize in staple cotton and have which this illicit liquor is made. We have found not only snakes, but lizards, frogs, roaches, rats, mice, mag-gots and all sorts of vermin"

trated lye, hen house manure is chants of South Carolina. regularly used as a substitute and large enough.

stocks of yarn held by mills were on mentioned firm comes to Greenville do a purely brokerage business but last January 5 pounds per spindle he might find cause to complain of represent many of the big shippers whereas today they are minus two a dirty plate at the hotel table and in other sections says that for the best interests of pounds per spindle, that is, orders then go to his room and enjoy a it on hand exceed stock held by two drink of "pure" mountain dew made Company is a new organization but

Then if he does not feel well when Some of the speculative dealers more goods than they have cover- he gets home he will blame it on have for many years followed the

but drinking extract of dung-hill is them have taken note of the fact

#### Our Cotton Advertisers.

We wish to again call the attention of the cotton manufacturers to the cotton brokers and dealers who ask that they be given an opportunity to quote prices.

From a reference to page 29 it will be working in the interest of the overtime by the yarn speculators at be noted the dealers who are advertising cover a very large field and they are going to do all they can to There is no need to continue to both short and long staple cotton. see that the yarn mills secure low manufacture yarn at a loss and the Those who have space are: The Lesser Goldman Cotton Co., of St. These statements were made not er prices, has gone out in Philadel- Louis, Mo., with Charlotte office in when yarn was selling at extreme phia shows the latest strength of the charge of P. H. Partridge. They specialize in Mississippi and Texas period of prosperity and possibly of staple cotton.

dan, Miss., in the heart of the staple third successive year of subnormal We happen to know that the cotton belt and Stewart Bros. Cotton demand. This clarion call to hold down the Southern representative of a ma- Co., of New Orleans, specialists in

not go forth except in time of he attended the Southern Textile Hartsville, S. C., who specialize in Exposition he could get some "pure" Carolina staple cotton and have a reputation for reliability and acurate

moonshining, has the following to young but live firm representing the say relative to the purity of corn Newberger Cotton Co., of Memphis, and Williamson, Inman & Stribling,

Union County, in North Carolina, Stills have been constructed of tin is noted for the splendid spinning receptacles unfit for quality of its cotton and two of such purposes Stuff cooked in these their best shippers: Johnson & vessels is poisonous beyond doubt. Howe and H. H. Wolfe & Co., both of Monroe, N. C., are represented.

Lincoln County, N. C., also grows good even running cotton and Lineton, N. C., have space with us.

Gray-Barkley Co., Inc., and B. H. well established reputations.

J. L. Bussey & Co., and Wilkins, Gibson Co., and Matthews, Beattie It is a well known and undisputed & Co., of Greenville, S. C., are rated fact that in the absence of concen- as among the leading cotton mer-

Sanders, Orr & Co., and Rose Bros. that many of the mountain moon- of Charlotte are old and well estab-

William & York Wilson, of Char-When the president of the above lotte, N. C., and Rock Hill, S. C.,

The Bradshaw-Robertson Cotton from a filthy mash tempered with is composed of well known and long experienced cotton men.

The cotton merchants of the South antiquated policy of selling cotton It is all right to be a good sport without advertising but some of that the most successful firms in every line of business are those who advertise.

If our friends among the cotton mills will give these enterprising firms the opportunity to quote are now advertising regularly in the prices and when prices are equal Southern Textile Bulletin and to give them orders, it will mean that they will become permanent advertisers and other cotton firms will follow suit.

Let them quote you.

#### Yarn Market Predictions.

"The production of cotton yarns has averaged hardly 65 per cent of normal for two whole years. that unmistakable signs point to a some inflation, a period that has actually begun already-some are still Threefoot Bros. & Co., of Meri- blind that they are looking for a

"The spinners are alive to the situation and despite their discouraging past experience and their real The Coker Cotton Company of need for business today, they are Hartsville, S. C., who specialize in very stiff in their price ideas and Carolina staple cotton and have a not at all anxious to take on long extended deliveries except at a con-In our opinion the yarn consumers mountain corn liquor.

reputation for reliability and acurate siderable premium. — Extra from yarn speculators are heavily Mr. Kohloss, of Salisbury, N. C., in shipping.

Yarn Market Report of Frederick B. short and if the spinners of the whose job is the breaking up of Tanner & Jones, of Charlotte, a Macy & Co., of New Beford. Mass.

### **Personal News**

master mechanic at the Hartwell C Cotton Mills, Hartwell, Ga.

Jas. Huskey has accepted the position of overseer of weaving at the Cowpens (S. C.) Mfg. Co.

Mills, Huntsville, Ala.

A. B. Brown, of Avon Mills, Gastonia, has accepted the position of second hand in carding at the Mason Mills, Kings Mountain, N. C.

A. E. Crowe, of the Pacolet Mills. Trough, S. C., has accepted the position of card grinder at the Armstrong Mills, Gastonia, N. C.

M. Goldsworthy, of Anniston, Ala. has accepted the position of super- Scottdale, intendent of the Anniston Mfg. Co., City Mills. Anniston, Aal.

C. F. Burney has resigned as superintendent of the Tupelo Mills, Tupelo, Miss., to become sales manager of the Texas Cotton Mills Co.,

Will Rowland has resigned as overseer of weaving at the Eureka Mills, Chester, S. C., to accept a similar position at the Union-Buffalo Mills, Union, S. C.

Henry Smith has resigned as overseer of weaving at the Pickett Mills, High Point, N. C., to accept a posi-tion with the Crompton & Knowles Loom Works, as loom erector.

J. W. Fernander, Jr., formerly of the Griffin (Ga.) Manufacturing Lloyd George Invited to Southern Company, has become superintendent of the Lauderdale Mills, Lauderdale, Miss.

W. B. Pittman has resigned as overser spinning at the Rhyne-Houser Mills, Cherryville, N. C., to become superintendent of the new Calton mills of the same place, the change to take effect October 1.

H. H. Baker has resigned as superintendent of the Lauderdale Mills Lauderdale, Miss., and will spend the winter in the West. He plans to take up mill work again in the spring.

W. S. Henderson has resigned as overseer of carding at the American Net and Twine Co., Anniston, Ala., dust to become assistant superintendent year at night at the Bibb Mfg. Co., Colum-

S. T. Enloe has resigned as overseer of carding at the Lockmore no greater commercial affair will Mills, York, S. C., a position which be brought to the attention of Mr. he has held for seven years, to ac-Lloyd George while he is in Amercept a similar position with the ica.

J. A. McAllister has resigned as Hawthorne Spinning Co., Clover, S.

Georgia Textile Asociation Formed.

Organization of the Georgia Textile Association, the membership of J. H. Lehman has become night which is composed of superintend-overseer of carding at the Merrimack ents and overseers in Georgia mills, was perfected at a meeting held at D. V. Brannon has resigned as Murphy, of the Dixie Mills, Laoverseer of weaving at the UnionBuffalo, Mills, Union, S. C. the meeting.

The election of officers resulted as follows: President, R. W. Jen-nings, Lanett Mills, West Point, Ga.; vice president, C. P. Thomas. super-intendent of the Trion Co., Trion, Ga. A committee on by-laws was appointed as follows: R. L. Phillips, associate editor of Cotton; J. F. Long, Lois Mills, Douglasville; O. D. Grimes, Milstead Mills, Milstead, Ga.; C. E. Wisner, Scottdale Mills, Scottdale, Ga.; D. E. McGloun, Gate

The next meeting of the new association will be held in Atlanta in the

spring. Two sectional committees were appointed. One of these is the com-Newt Neal has resigned as oversition Mills, Atlanta; G. R. Brook.
Mills, Nashville, Tenn., to accept a Young, Georgia Webbing and Tape similar position at the Buffalo (S. C.)
Mills of the Union-Buffalo Mills mittee on weaving, finishing and dyeing, composed of George W. Hamilton, of the Crown Mills, Dalton; George A. Franklin, of the Sibley Mfg. Co. Augusta; William Arnold, of the Manchester Mills, Manchester, Ga.; B. W. Robertson, George H. Redmond, of the Griffin Mfg. Co., Griffin.

A general committee was also appointed, consisting of the following men: G. A. Franklin, John R. Killian and Chas. A. Sweet, Jr.

Textile Exposition.

William G. Sirrine, President of Textile Hall Corporation learning that Hon. David Lloyd George, the British Premier Minister, is considering an invitation to visit New Orleans for the annual convention of the American Legion, October 16th to 21st, cabled yesterday to the great statesman urging him to stop over and visit the Southern Textile Exposition which opens for one week on October 19th.

Greenville is on the main double track railroad line of the Southern from New York and Washington to New Orleans and the Southern Textile Exposition is the important in-dustrial event in the South this

The interest of the English cotton mill spinners are so bound with those of the Southern cotton growers and manufacturers that it is thought

### Bleached Goods!

(Selling Points No. 39)

White vs. White

The consumer does not know what he wants. He is educated by the re-seller.

The consumer will give preference to Better Bleached goods. because of greater durability and a permanent white, such as Peroxide bleaching produces. One of the strongest selling points!

The Roessler & Hasslacher Chemical Co

**NEW YORK** 

# **Bobbins** and Spools

True-running Warp Bobbins a Specialty

The Dana S. Courtney Co. Chicopee, Mass.

Southern Agt, A. B. CARTER, Gastonia, N. C.

### MILL NEWS ITEMS OF INTEREST

Stanley, N. C.—The Lola Manufacturing Company, who was recently noted, will manufacture gingham have purchased Franklin Process Company machines for their filling and Alexander & Garsed dyeing machines for their warps.

Hillsboro.—Ene Cotton Mills have erected 15 new houses in their village. They have recently completed a new addition to their mills, also with a cost of approximately a quarter of a million dollars. In this addition they have installed one hundred and seventy-five new looms.

Gaffney, S. C.—Fire in the picker room at the Globe Mills burned two or three bales of cotton and damaged belting and machinery causing a loss estimated at about \$500, according to officials. The fire broke out under the condenser, and it was extinguished by use of the sprinklers and hose provided for this purpose.

New Orleans, La.—The Lane Cotton Mills have placed an order with the Draper Corporation for 450 looms to be operated on denims. These looms will replace old looms. It is reported that the Lane Mills will also purchase considerable dyehouse machinery.

Columbia, S. C.—Allen Jones, of New York, purchasing agent of the Palmetto Mills of this place and six other mills belonging to the same group, has placed a contract with the Poland Soap Works for ECO washing powders for all of his mills. The contract was made after exhaustive tests.

Bowling Green, S. C.—The capital of the Bowling Green Spinning Mill has been increased from \$80,000 to \$100,000 and the name has been changed from the Reynolds Cotton Mill to the Bowling Green Spinning Mill. S. A. Sifford, of Clover, is president of the mill and C. N. Alexander, of Clover, is general manager Considerable improvement will be made to the plant, as recently noted

Parsons, W. Va.—The Philippi Blanket Mills have begun operations. This new plant employs approximately 100 people and is thoroughly modern. The building is of steel and concrete construction and the machinery is all new and of the very latest type.

very latest type.

This company will have an output of 125,000 to 450,000 pairs of blankets annually. Its plant at Phillippi has operated continuously, thorughout the present period of depression.

New Orleans, La.—Cotton mills of Mississippi are operating almost to capacity to keep up with orders, according to officials of the Laurel Mills who visited New Orleans recently.

The Laurel Mills, it was declared, are turning out approximately 65,000 yards of cloth daily; is working day and night shifts and employing between 500 and 600 men.

### **Creosoted Materials**

Piling

Fence Posts

Timbers

Flooring

Are being used by the largest manufacturers in the South, they are cheaper.

#### THEY WILL NEVER DECAY

Let us quote you today

NORTH STATE CREOSOTING CO.

Phone 1803

North Charlotte, N. C.



Our improved method of making Conveyor P i p e Joints. Using expansion band to join pipe together. Both air and weather tight without the use of solder.

We also make Sheet Metal casings for chain drives, Slasher Hoods, Dust Collectors, etc.

Send us your orders for anything to be made of pieced Sheet Metal

#### J. N. McCAUSLAND & CO.

"IN THE BUSINESS 38 YEARS"

221 South Tryon 3t.

CHARLOTTE, N. C.

Member American Society Landscape Architects

#### E. S. DRAPER

CHARLOTTE

NORTH CAROLINA

#### LANDSCAPE ARCHITECT and CITY PLANNER

Community and Mill Village
Developments
Parks, Real Estate Subdivisions
and Cemeteries
Resort Hotels and Country Clube
Private Estates and Home Grounds

Complete Topographic Surveys
General Designs, Planting, Grading
and Detail Plans
Supervision of Landscape
Construction
Inspection and Maintenance

Largest Landscape Organization in the South



CLEAN QUALITY

SUPERIOR SERVICE

If a drive is worth belting, it is worth belting well. Why be satisfied with a mediocre belt? Cheap belting is false economy—the safest investment in the world has always been REPUTATION.

Charlotte Leather Belting Co. Charlotte, N. C. The mills will run at present rate as long as warehouse space for the cloth can be had, it was declared.

Greenville, S. C.—The fuel situation, as affecting the cotton mills of South Carolina, is much better today than was thought would be the case several weeks ago, according to a statement by John W. Arrington, chairman of the coal buying commision of the South Carolina Cotton Manufacturers' Association

ton Manufacturers' Association.

One thing that has prevented many mills in the State and the South from closing down is the purchase of what is known as "bootleg" coal, Mr. Arrington said. Southern cotton mills occupy the lowest place on the priority list and this accounts for the necessity of the purchase of "bootleg" coal, he stated Mr. Arrington said the Northwest needs coal worse than the South and that he believes coal should be equitably distributed with a view of taking care of those sections in most need, rather than favoring any particular section.

Cumberland, N. Co.—Mills in this district have recently received the following letter from the Carolina Power and Light Company, advising the "possible necessity to curtail power for one, or probably more days per week in the near future."

"This condition is brought about by reason of the inability of the transportation companies to deliver coal to some of the steam plants, upon which we are dependent for power supply. Since August 1 these plants have been unable to secure a delivery of coal, authough they have en route over 400 cars.

"We are in hopes that this is only a temporary condition and that it will be remedied quickly as a result of the ending of the rail strike. It is, however, a condition that exists at the present time and we feel that we should advise you of the possible necessity of curtailment."

Honea Path, S. C.—Building activities at the Chiquola mill village will be completed about December 1, it was stated by officials of the mill. At that time the mill will inaugurate a night shift, doubling the present force of 300 employes.

In the village which is being constructed to house the additional employes that will be required when the night shift is inaugurated are 140 houses, of the modern bungalow type. These will be equipped with modern conveniences, the mill having its own waste disposal plant which will be extended to include the new village.

The village of the Chiquela Manufacturing Company is inside the city limits of Honea Path and when all of the houses are occupied it is expected that the population of the place will be increased by approximately 750 persons. The Chiquela mill, of which James D. Hammett is

Greenville, S. C .- Rumors that a extends up to the Taylors school building.

The presence of the civil engineers as well as other developments along this line probably lent cre-dence to the rumor near Taylors had been closed by a concern which proposes to erect a bleachery there

While no deal has been closed up to last night, those supposed to be on the "inside" of the negotiations stated that every indication pointed to the establishment of a bleachery in the near future. At the same time, it was stated that while there were no developments yesterday in regard to the establishment of a bleachery at Marietta, it was still considered as possible if not likely that such a plant would be established there also.

Chesnee, S. C.—Using the vaccuum suction system, the Chesnee cotton mill, is kept as clean as a parlor. In this line the Chesnee mill is blazing the trail, being credited as the first mill in the world to adopt this new system of clearing the plant of fabric and cotton fragments The vacuum system is operated by 'a horsepower blower. There are 130 flexible hose connections covering every department of the plant. Hose are turned on the machinery and it is cleaned of every bit of dust. Likewise the four floors are kept absolutely clean.

The installation of the vacuum system is due to the efforts of John A. Law, president of Chesnee Mill. The plant was built in 1911 at a cost of \$500.000. It operates today 20,000 spindles and 440 looms, turning out annually 4,500,000 yards of the higher quality of lawns. The power is furnished by the Green River Power Company, of which Mr Law is also president. It employs 150 operatives, and has a payroll of \$2,500 per week.

The vacuum suction system used at Chesnee is that manufactured by the Allington & Curtis Co, of Chicago, Ill. President Allington spent the week of September 10-16 at the Chesnee Mill viewing the operation of the system.

president and W. G. Cox is secretary It is estimated that the vacuum quality of goods turned out, the mill Institute here has been closed. Its has a total of 41,280 spindles and cleaning system cost around 70 is a cleaner place to work and as a students are now employed at Saxon cents per spindle. The system is no matter of course, the help is con- and Arcadia Mills under the system in vacuum quality of goods turned out, the mill Institute here has been closed. Its more complicated than using the tented and enjoys better health, garden hose to water the thirsty bleaching plant was to be establish- plants. The suction hose draws in Model Mill Ceases Operation for ed near Taylors this county, brought every bit of cotton lint, grime or the denial from one of the owners dust from the machinery or else-

in vogue at the Model mill. They work one day and pursue their stud-The Model Mill was ies the next. founded a few years ago for the the denial from one of the owners dust from the maximicity of the property that any deal had where and carries it on to the waste of the property that any deal had where and carries it on to the waste of the property that any deal had where and carries it on to the waste of the property that any deal had where and carries it on to the waste of the property that any deal had where and carries it on to the waste of the property that any deal had where and carries it on to the waste of the property that any deal had where and carries it on to the waste of the property that any deal had where and carries it on to the waste of the property that any deal had where and carries it on to the waste of the property that any deal had where and carries it on to the waste of the property that any deal had where and carries it on to the waste of the property that any deal had where and carries it on to the waste of the property that any deal had where and carries it on to the waste of the property that any deal had where and carries it on to the waste of the property that any deal had where and carries it on to the waste of the property that any deal had where and carries it on to the waste of the property that any deal had where and carries it on to the waste of the property that any deal had where and carries it on to the waste of the property that any deal had where and carries it on to the waste of the property that any deal had where and carries it on to the waste of the property that any deal had where and carries it on to the waste of the property that any deal had where and carries it on to the waste of the property that any deal had where and carries it on to the waste of the property that any deal had any deal had where any deal had where any deal had where any deal had any deal had any deal had any deal had where any deal had any deal h the United States.

> Program of Meeting of Southern Textile Association to be Held in Greenville, S. C., Friday and Saturday, October 20-21.

> First Session-October 20, 2:30 PM

> Address of Welcome by Mayor of Greenville, S. C.

> Response to Address of Welcome by J. S. Stroud, Cooleemee, N. C Few Remarks by President John 7. Clark, West Durham, N. C.

> Report of Weavers Meeting Held in Anderson by W. H. Gibson, Jr., Union, S. C., Chairman Weavers Section Southern Textile Associa-tion. This to be followed by short discussion.

Presentation of Inventions and Improvements. (An hour will be allowed for the presentation and description of recent improvements and inventions by Southern men.)

Textile Association Dinner-6:30 P. M., October 20th. Place to be announced later.

An address by a prominent manto be announced later.

Committee on arrangements and entertainment: Luther M. McBee Jr., Greenville, chairman; David Clark, Charlotte, and Robert W Philip, Atlanta.

Saturday morning, October 21st.-"Better Goods Session. 10 A. M.

The following addresses are limited to ten minutes each. After each address ten minutes will be allowed for discussion.

"The Relation of the Opening Room and Lappers to Better Goods, by L. L. Brown, Clifton, S. C.

"The Relation of the Carding Room to Better Goods," by O. D. Grimes, Milstead, Ga.

"The Relation of the Spinning Room to Better Goods," by J. B. Harris, Greenwood, S. C.

"The Relation of Slashing and Weaving to Better Goods," by W. B. Williams, Greenville, S. C.

"The Relation of the Cloth Room to Better Goods," by W. H Moseley. Ware Shoals, S. C.





Soap costs you \$1.67 a barrel, delivered.

Make ECO JELLY SOAP from ECO WASHING POW-DER.

ECO JELLY SOAP is ECO WASHING POWDER dissolved in hot water and contains but 61/4% of the dry powder.

Equally effective for hand or machine scrubbing.

Fully one-third of all cleaning material is wasted for the reason that you cannot regulate the amount of materials used.

Waste eliminated by the use of ECO JELLY SOAP.

Waste of dry powder represents 100% waste; Waste of ECO JELLY SOAP means waste of only 61/4%.

We assume the responsibility of increasing efficiency in cleaning and reducing the cost of materials used.

### Poland Soap Works

Makers Anniston, Alabama

### THE CHOICE OF A HUMIDIFYING SYSTEM

must be one that for simplicity with great capacity and economy in maintenance produces uniformly such conditions that may be determined for the different requirements of the work. In the American Moistening Companys method of humidifying, all such requirements are GUARANTEED.

Our COMINS SECTIONAL HUMIDIFIERS
Our FAN TYPE and HIGH DUTY HUMIDIFIERS
Our VENTILATING Type of Humidifier (Taking fresh air inte
the room from outside)
Our ATOMIZERS or COMPRESSED AIR SYSTEM
Our COMPRESSED AIR CLEANING SYSTEM

Our CONDITIONING ROOM EQUIPMENT
Our AUTOMATIC HUMIDITY CONTROL (Can be applied to systems already installed)
Our AUTOMTIC TEMPERATURE CONTROL
Are all STANDARDS OF MODERN TEXTILE MILL EQUIPMENTS.

#### AMERICAN MOISTENING COMPANY

RUSSELL GRINNELL, President

BOSTON, MASS

FRANK B. COMINS, General Manager

SOUTHERN OFFICE, Atlanta Trust Company Building, ATLANTA, GEORGIA

### TALLOW—OILS—GUMS—COMPOUNDS

ALSO HOSIERY FINISHING AND BLEACHINGS

Fastories: Breeklyn, N. Y.

TEXTOL, A new product especially for Print Cloths. A complete warp size, requires no addition of tallow



Tallow, Soluble Grease, Soluble Oils, Gums, Glues, Gum Arabol, Lancashire Size, Waxes, Finishing Pastes, Soaps, Glycerine, Readymade eavy Size, Sago and Tapioca Flours, Dextrines, China Clay, Soluble Blue Bone Grease, Bleachers' Blue.

SPECIAL COMPOUNDS FOR WARPS, WHERE STOP MOTIONS ARE USED.

WEIGHTING COMPOUNDS FOR COLORED AND WHITE WARPS. FINISHING COMPOUNDS FOR ALL CLASSES OF FABRICS.

The Arabol best grades of cotton warp sizing compounds make the "finest weaving and will hold the fly."

These compounds are based on the best practical experience and the best materials used in their manufacture.

### The Arabol Manufacturing Co.

Offices: 100 William Street, New York.
Southern Agent: Cameron MacRae, Concord, N. C.

P. D. JOHNSON Ga., Als. and Tonn. Age

What You Will See at the Exposition, a trained nurse who will be compe- information on the respective types tent to explain the use and efficacy of looms. There will also be desk of the medicinals.

all of their friends.

Those attending will be: F. W.
Herbert Midgley, the president;
Howe, Providence, R. I., vice president and in charge of the cotton Guy L. Melchor, assistant Southern agent; and P. B. Marden, superinted Worcester office and cotton tendent, will be in charge of the the Worcester office and cotton sales department; S. B. Alexander and W. H. Wylie of the Southern sales office

Morse Chain Co.

The exhibit of the Morse Chain Company will be found in space 468-469. They will have on exhibit a full line of chain samples and there will be in attendance representatives of this company qualified to give engineering advice on the transmission problems of the textile industries. The company will have a five (5) horse power chain drive in operation mounted on the Morse Universal Bracket attached to standard spinning frame, also a one (1) horse power motor and silver chain drive on a knitting frame.

A prominent feature of the exhibit will be a Baloptican (manufactured by Bausch & Lomb Optical Company, Rochester, which will automatically and continuously show on a section a series of views of Morse Chain Drives as well known in the South.

The exhibit will be in conjuction used around the world in the texwith that of the Carolina Supply tile industry interspersed with a Gladue will be inattendance. Space
Company, which will show kindred number of views of their plant and will be the first floor—booths 262,
263, 266, and 267.

This exhibit should be particularillustrates a practical method of increasing production and saving power with the upkeep.

Morse Drives shown by have years of use in this hard continuous work that they are designed and built for continuous operation under shall be used. the trying conditions that beset the Most of the Manchester houses to show a full line of their counters the trying conditions that beset the textile industry

Howard Bros. Mfg. Co. Howard Bros. Manufacturing Com-458 inclusive.

They intend to operate a card clothing machine, and also exhibit a small machine which was built

in 1800, showing the progress which has been made since that time; an exhibit of heddles; and a B. S. Roy

Shambow Shuttle Co.

The exhibit of the Shambow Shuttle Company is to be a comof power loom made of both Dogwood and Persimmon wood for all kinds of plain looms and filling replenishing looms.

Especially will the exhibit be interesting to makers of tire duck where the fabric must be free from knots and slugs and where the shuttle is expected to prevent such imperfections going into cloth, also where the strength of the fabric must be as uniform as possible. Many are the patented features for the better working of shuttles for this particular work. Also users of automatic filling replenishing shuttles will have an opportunity to see the excellent shuttles made by this company.

They will also show a full line of fibre head spools for the cotton trade.

#### Blacks for Printed Shirtings.

A question which calls for some thought both on the part of the printer of shirtings and of the mer-chant who produces the goods lies the nature of the black which

which deal with this class of goods have a series of tests through which colors submitted by the printer pany will be at booths No. 455 to must pass satisfactorily before being admitted to the range. Some are rough and ready, whilst others are scientifically done with a wealth of detail which aims at anticipating

(Continued From Page 6.) W. Schneider, representative of Atlanta office

Rhode Island Warp Stop Equipment Co.

The exhibit of the Rhode Island Warp Stop Equipment Company will embody a complete and comprehensive demonstration of the K-A Elecrical Warp Stop Motion for looms. Different combinations will be shown for the purpose of illustrating K-A's flexibility. They will also will probably be the opportunhave on exhibit a line of special-giving to them some souvenir. ties consisting of the "B & T" It is not their intention to conduct Spooler Tension, the Marvel Dust a large exhibit.

Blower, "Right-in-Sight" Copyhold- The following members of the wer, "Right-in-Sight" Copyhold-"Sim-Pull" and "Sim-Plex" Belt Shifters, Countershafts, etc. Stephen tion Southern Representative Arleigh. and W. D. Whittaker, construction engineer will be in attendance. It is expected at this time that Edwin and J. P. Lear. Smith, president, will also be

Corn Products Refining Co.

The Corn Products Refining Com-any will occupy spaces 505-506 523-524, and will have on display of Textile Mill Products. In attendance will be Dr. W. R. Cathcart, Technical Director of the company, from New York City, and Mr. Smith, Mr. Van Zandt and Mr. White from the Greenville office

Seydel Chemical Co.

In general, the exhibit of the Seydel Manufacturing Company will embrace two distinct departments. The one, being a display of the wellknown Sizol products for Textile Sizing and Finishing, and the other, a display of a line of medicinals e pectially interesting to the Hospital and First Aid departments of manufacturing establishments furnishing medical treatment to their employes.

Display containers or the various materials will be showns and sam- Crompton & Knowles Loom Works ples of some of the medicinals will be available for distributions as well as the usual literature.

The exhibit will be in charge of Southern Representatives,

of the medicinals.

The President, Mr. Herman Seydel. hopes to have the pleasure of visiting the Exposition sometimes during the week.

Standard Oil Co.

The Standard Oil Company will have a booth which will be adequately decorated, and a committee their representatives on hand to take care of and entertain then various friends, embodied in which They will also will probably be the opportunity of

company expect to attend, in addition to those to go from the Charlotte office: A. D. Willis, J. C. King, W. D. Barrett, C. R. Younts, D. K. Montgomery, Pierce Van Vleck

Graton & Knight.

The exhibit of Graton & Knight, Inc., at the Southern Textile Exposition will be in charge of Wilkins Cagle, manager of the Atlanta Cagle, branch of this company. He will be assisted by J. D. Patterson, J. E. McMahon and A. A. Hutchison, salesof this company, who are well known in the South.

Graton & Knight will have in operation, running under water, one ly interesting to textile engineers as of their famous Spartan belts and it illustrates a practical method of their display will include rolls of belting, pickers and general information concerning strapping and slab

The Veeder Manufacturing Co. The Veeder Mfg. Company, expects

with a model mill in full operation.

The Crompton & Knowles Loom Works expect to have in their exhibit a very large number of photo-graphs showing the various looms which they manufacture and will Thomas and C. C. Clark, assisted by distribute bulletins and descriptive

Manufacturers of Speeders, Skewers, Warp Bobbins, Filling Bobbins, Cap Spinning Bobbins, Northrop Loom Bobbins, Twister Bobbins, Twister Spools, Warper Spools, Comber Rolls. Quills, Underclearer Rolls (plain or covered).

### U S Bobbin & Shuttle Co.

57 EDDY STREET

PROVIDENCE, R. I.

#### SHUTTLES

We make a specialty of Shuttles for all makes of looms, both plain and automatic. Correspondence solicited.

shirt may receive in its after-life. The thorough test finishes with the identification of the dvestuff used.

Whilst a detailed investigation of a color's properties is only possible where a competent man is employed. no merchant should be without the means of ascertaining whether or not 'the colors he is getting are of that quality which the modern consumer demands, for the print shirt is always in competition with the woven; fashion changes from time to time, and the measure of satisfaction derived from the print will be reflected in the readiness with which the customer goes back to the woven variety.

The principal shirting colors are blue, helio and black. Others occur from time to time, but the bulk of business is done in the three named shades. Of these the blue and helio in a variety of tones pre-sent very little real difficulty. They can be printed in the fastest colors by quite simple processes, and the result will stand up to any reasonable test of boiling with soap or soap and soda, and will emerge almost unchanged from a solution of bleaching powder of a strength which the most unblushing laundry would hesitate to employ.

The black, however, is not Vat colors are, of course, the only ones to use for blue and helio. but vat blacks, whilst numerous, have all certain drawbacks. The color used for the best yarns is weak tinctorially. It is almost im-possible to obtain a black from it in that concentration which is practicable in a printing color. All the others are mixtures of blue, brown olive, etc., according to the fancy of the dyestuff manufacturers. The result is shown in the great tendency of printed vat blacks to turn up uneven in shade. Where printing conditions are not uniformly perfect, fixation of the dyestuff is apt to be iregular, and, since some constituents of the mixture dye, for printing is but local dyeing) more readily than the others, it is not difficult to see how this unlevel printing comes about.

For dress goods a slight variation in tone, however undesirable, is not a bar to the dyestuffs' use, but for shirts, which are cut up from many pieces at once, uneven printing is probably the worst of all faults.

again, there are no mix-Then, ture blacks of perfect all-round fastness, even when fixed correctly. It is, again, very difficult to obtain a really full shade in a light pattern which prints very little color Against that must be set the fact that a good vat black in a pattern of reasonable depth is probably better fitted to withstand an all-round test

than any of its competitors.

Sulphur black, but for its absolute fugitiveness to chemic, would be the ideal. It prints easily, is absolutely fast to repeated washing and ironing, gives a full rich shade of black of any desired variety of tone and is perfectly fast to light (which, however, for shirts is rela-tively unimportant). Unfortunate-ly, it is necessary to ensure that a shirt should withstand weak oxidising agents. Assuming even that laundries are innocent of a desire to use chemical aids to washing, they

There remains aniline black for formation of aniline black, and a consideration. Of all known colors trace of a misfit in printing results this is given in the Badische Co.'s in blurred edges and a very untables as the fastest to washing. The sightly confection. In such circumshade is beyond criticism and the fastness to light perfect Whilst not absolutely resistant to bleaching desirable color to use is a mixture powder solutions, it is much better of a vat black absolutely fast to than sulphur black, and ought to be good enough. It prints perfectly level and gives a sharper and more pleasing outline than any of its rivals. The tendency to green in atmosphere is not important in a gar ment which is constantly washed, since soap nad water instantly restore the shade. The single drawback is its property of weakening the fibre somewhat. This partial tendering is well known to all merchants who have experience of ani-line black, and should be closely A good printer can, how ever, produce aniline blacks which have not affected the fibre beyond per cent or so of its original strength when it is a question of a heavy pattern. With light patterns the tendering effect is negligible.

It will be seen that the perfect shirt black for all purposes does not yet exist.

All things considered, aniline black probably the most satisfactory one for medium and light patterns, provided that ageing conditions are such that the minimum of tendering takes place. Experiments with varying degree of moisture in the steam will soon establish the most favorable circumstances for fixation.

Where the black touches other

conceivable treatment the are often employed in the home color to form a design, aniline black may receive in its after-life, wash tub. It is here that sulphur is unsuitable, for the alkaline nature horough test finishes with the black breaks down. stances, and for very heavy patterns light perfect Whilst not in black alone, probably the most resistant to bleaching desirable color to use is a mixture chemic and sulphur black, the good properties of the one neutralising the bad properties of the other.— Textile Recorder of Manchester Eng.

John W. Harden Dead.

John W. Harden, president of the Neuse Cotton Mills, Raleigh, N. C., died suddenly at his home in Raleigh last Saturday afternoon. Harden, besides his mill connections, was prominent in financial and business circles in Raleigh, being an officer and director in the Raleigh Banking and Trust Company and interested in a number of other

Mr. Harden was 53 years of age and is survived by his widow and

#### For Sale

Subject to prior sale, can offer: 2 good 40-inch Kitson Pickers, Ball Bearing Beaters and Fans. Excellent condition. 3 Section Warps, excellent condition; 2 4x6 Spoolers, 2 No. 90 Universal Ring Winders. Above can be bought cheap. Prompt delivery, F. O. B. Carolina Shipping point. Address H. Care Southern Textile Bulletin, Charlotte, N. C.

### Salesman Wanted.

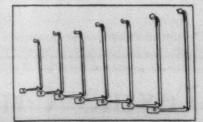
The Cellugraph Engineering Corporation is prepared to take on a few salesmen located in manufacturing centers of the United States. The product of the Corporation is a self-lubricating bearing already proven satisfactory in many thousand installations. Address C. H. Fish, General Manager, 73 Tremont Street, Boston, Mass.

### What Are You Doing?

We overhaul Spinnery and Cord Room Machin-ery, employing only the most skilled and experi-enced mechanics in the execution of this work which we GUARANTEE

with your Roving Spindles, after they have become worn or broken off at the top where the Flyer fits, or worn at the Bolster Bearing?

We Can Repair these spindles by welding on new tops by electricity, forging them down to rough and then grinding to a uniform size. This makes them equally as good as new. Or if the Bolster Bearing is worn to a smaller diameter or worn flat, we take off the entire worn part and weld a new part on. makes the Spindle full size at all the bearings-and we guarantee them not to break at weld.



Our Flyer Pressers are perfectly felled before leaving our factory.

### Southern Spindle & Flyer Company Charlotte, N. C.

Manufacturers, Overhaulers and and Repairers of Cotton Mill Machinery

W. H. MONTY, Pres. and Treas.

W. H. HUTCHINS, V.-Pres. and Sec.

at 8,033,002,129, an increase of more a single shift basis, while were slight and not a single State July and 207 in June.
was reported as showing reduction Active spindles and the number of in spindle hours.

Active spindle hours in August by

Of the total spindle hours those sylvania, 150,920 and 31,955,809; and other sections of the North

Washington.—Increased activity spindle hours in other States, 3, in the cotton spinning industry dur- 633,128,963, an increase of more than ing the month of August, as com- 607,818,000 hours.

pared with July, was reported by The average number of spindles The Erwin Yarn Agency, Inc., with the Census Bureau. The number operated during August was 34,041,- headquarters at 308 Chestnut Street of active spindle hours was placed 029, or at 2.1 per cent capacity on Philadelphia, Pa., has opened a than 998,000,000 over the preceding or 87.3 per cent capacity. The avermonth. Although three cotton spin- age number of active spindle hours being in closer touch with the Southning states showed declines in the per spindle in place for the month ern yarn mills number of active spindles, the losses was 217, as compared with 191 in

There were 36,965,000,230 spindles States included: Connecticut, 1,301, in place on August 31, of which 32,- 433 and 296,008,753; Maine, 1,100,172, 499,324 were operated some time and 235,667,228; Massachusetts, 10,during the month, compared with 095,368 and 2,07,152,621; New Hamp-36,943,942 in place during July and shire, 328,082 and 72,477,194; New 31,975,269 operated during that Jersey, 431,144 and 86,585,672; New month.

York, 911,294 and 227,679,506; Penn-

#### Erwin Yarn Agency Establishes Charlotte Office.

branch office at 135 Brevard Court Charlotte, N. C., for the pupose of

J. Locke Erwin, the presiden of the Erwin Yarn Agency, recently moved his residence from Philadelphia to Charlotte and will give his personal attention to the Charlotte office.

The Erwin Yarn Agency was established about six years ago by Mr. Erwin and has developed a very large business with the knitting and weaving mills of Philadelphia and

Active Spindle Hours Increased in in cotton growing States numbered Rhode Island, 2,149,598 and 493,518,August.

They have also made considerable progress in building up an export trade in cotton yarns and are now doing a considerable volume of business in foreign countries.

#### The Erwin Yarn Agency, Inc., with Textile Men Wanted by U. S. Tariff Commission.

The new tariff bill greatly enlarges the scope of the work of the United States Tariff Commission and will make necessary a considerable increase in the number of experts employed. This will apply particu-larly to textiles where additional men will be needed who are versed in the manufacture of cotton, wool flax, silk, knit goods, lace and embroidery.

The Commission has numerous reports embodying its studies in regard to various textiles. showing the quantity and value of production, imports, and exports:



DAVID BROWN Pres. and Treas.

GEORGE G. BROWN Asst. Treas. and Mgr.

#### THE DAVID BROWN COMPANY

Lawrence, Mass.

NOTE our New Factory Additions and Improved Facilities for Manufacturing Our

"HIGH GRADE" Bobbins, Spools and Shuttles

Correspondence Solicited

Catalog on Request

Manufacturers of Spools of Every Description Speeders, Skewers, Warp and Filling Bobbins, Twister Bobbins, Northrop Loom **Bobbins** 

### Walter L. Parker Co. LOWELL, MASS.

WE SPECIALIZE IN NEW MILL EQUIPMENT Southern Representative

Charlotte Supply Co.

Charlotte, N. C.

Established 1896

Incorporated 1914

### LOWELL SHUTTLE COMPANY

Manufacturers of

BOBBINS SPOOLS SHUTTLES

Write or Telegraph for Quotations

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### Textile Grinding Machinery Of All Kinds





Send in Your Old Grinders to be Repaired

Southern Agent, E. M. Terryberry, 1126 Healy Bldg., Atlanta, Ga.

B. S. ROY & SON CO., WORCESTER, MASS.

Established 1868

the effect of changes in tariff duties, accidents, this proposed plan is preetc., together with details of imported goods and reasons why imported In some instances, such as floor coverings, it has published detailed ber of accidents in their plants. costs of production. Under the new Commenting on the proposact it will be necessary not only to safety organization plan, Comm continue the compilation of such reports but also to make specific investigation of cases of unfair com-petition and of cases where the duty is not sufficient or more than sufficient to measure the difference in cost of production here and abroad.

The work requires practical men who can write, or better, writers and students with practical mill experience. Preference will be given to graduates of textile schools. Initial salaries will range from \$2,000 upwards, depending on ability and ex-Applications should be perience. Fariff Commission, Washington, D. C. made to the Secretary of the U.S.

#### New Power Contracts.

Charlotte, N. C .- Contracts have been signed between the Southern Power Company and industrial user of hydro-electric power for 50,000 of the total of 80,000 horsepower to be developed at the new generating plant now under construction at Mountain Island and contracts now pending that will be closed within the next few days will account for the remainder of the total capacity of the new plant, according to statements from the power company officials. It is said that most of these contracts are with cotton mill companies. The new plant will not be completed for 18 months or two years, construction experts say.

The Southern Power officials, in remarking the quick absorption of forthcoming power from the new plant, state that the company is still facing demands for power that are considerably beyond their ability to furnish and point to this fact as evidence of the industrial development under way in this section.

Some of the new contracts for power mentioned above are made with present users that need an increase in power and other established plants which now use steam drive, while some are with concerns which expect to have new plants in operation by the time the power

development is completed.

The Mountain Island development will produce as much power as now produced at the largest of the present plants of the Southern Pow-Company's developments. It being built at a cost greater than any of the others, the estimated cost being \$8,000,000.

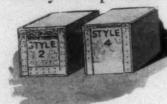
#### Plan to Reduce Accidents.

Clifford B. Connelley, of the Pennsylvania Department of Labor and Industry, has worked out a plan whereby he hopes to effect a marked reduction of accidents in manufacturing plants. On account of the general interest in the reduction of

sented here because it carries many suggestions that mills may find useful in trying to keep down the num-

on the proposed safety organization plan, Commissioner Conneley says: "Experiences in safety work has proved that organization is the most direct means toward the prevention of accidents in industrial establishments. It is understood, of course, that every plan of organization must provide for thorough inspection services as well as the education of the employe, but organization, to be effec-

### A Day of Specialists



Quality Shooks-Quick Service

We make a specialty of Packing Cases for hosiery and Yarn Mills.

Jennings Manufacturing Co. Box Shook Specialists Thomasville, N. C.

Difficult and rejected cases specially solicited. No misleading inducements made to secure business. Over thirty years active practice. Experienced, personal, conscientious service.

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**Dobby Cords** 

Rice Dobby Chain Co. Millbury, Mass. Send Us Your Order To-day

#### DISINFECTANT

We guarantee our disinfectant to meet any government specifications. We manufacture them ourselves, and do not fill them with rosin or other cheap fillers. Get our prices. They will surprise you.

#### MASURY-YOUNG CO.

Established 1857

BOSTON, MASS.



The Standard of Excellence for Electrical Installations

#### IN TEXTILE MILLS AND VILLAGES

HUNTINGTON & GUERRY, Inc. GREENVILLE, S. C.

STRUCTURAL and Bar Steel, Ornamental Iron, Lupton Steel Windows, Chicago Tanks and Towers. REINFORCING BARS AND LUPTON STEEL WINDOWS n stock in our Charlotte warehouse. Immediate shipment. We are prepared to cut and fabricate reinforcing bars. Send plans or list of material for prices. Our Engineering Force is at Your Service.

SOUTHERN ENGINEERING COMPANY

4 Realty Building

CHARLOTTE, N. C.

### DIXON LUBRICATING SADDLE CO.

BRISTOL, RHODE ISLAND



Use Dixon Patent Stirrup Adjusting Saddles, the latest invention in Sad-dles for Top Rolls of Spinning Ma-nes. Manufacturers of all kinds of Saddles, Stirrups and Levers.

WRITE FOR SAMPLE

THE GREATEST IMPROVEMENT MADE IN COT-TON SPINNING IN QUARTER OF A CENTURY

### The Richards-Hinds Light Running Rolls Over 1,700,000 Spindles Equipped to Date

#### Guaranteed Claims

Cockiey Yarn Preventor Extra Strength of Yarn Less Waste

Greater Production

Less Change of Roll Settings Reduced Cost of Spinning One-third Saved on Leather Covered Rolls Better Spinning with Improved Product

All machine builders are agents and will quote prices for new work. Also for prices and particulars write to

The Metallic Drawing Roll Company Indian Orchard. Mass.

## Spartan Sizing Compound Co.

WITHERPSOON & WITHERSPOON.

SPARTANBURG, S. C.

Manufacturers of Spartan Compounds, Tallows and Gums

tive, must not only be organized at now in actual operation and is votes his full time to safety work number of men employed under the the top but in the middle and at the characterized elastic enough to fit In the smaller establishments it foremen, but in no case shall be less bottom as well. It must permeate the small as well as the large indus- shall be a properly qualified person than a committee of three. One the entire establishment, from the trial establishments of the State, of the rank of manager or superin- member shall be familiar with the employer, through the manager or superintendent, to the men. The entire personnel of the establish-

mnt must be made responsible.
"Invstigations have provided that the more persons connected with the plant who can be directly interested in the cause of safety, the less have been the accidents in that plant. The idea, then is to have sary committees. every man in the plant a safety man.

The plan as proposed is as follows:

Safety Engineers as Directors.

Rule 1. Every establishment shall organize and maintain an organization for the safety of its employes. The organization shall consist of a responsible person or persons who shall direct work and of the neces-

In the establishments employing a large number of employes the director of the safety work shall The plan as outlined is said to be be a safety engineer, safety superbased upon a study of many plans visor, or safety inspector, who de-

ployed shall provide a central safe- ed with safety methods. ty committe in order to carry a uni- mittee shall meet at least once every form cooperative program of safety week. in every department. The size of this committee shall depend upon be inspected regularly at fixed interthe number of departments in the establishment. A meeting of this committee shall be held at least once a month with the director of safety as a presiding officer. It shall be a permanent standing committee.

diivdual foremen shall provide for working conditions. These reports a departmental safety committee shall be filed in charge of the safety intendent of the department. intendent of the department as the duly authorized inspectors of the chairman and the safety director as department. this committee to transmit the administrative phase of safety work to the operative basis or to interpret safety theory into safety practice. The committee shall meet at least Suitably located bulletin boards bi-weekly and shall be a permanent standing committee.

committee shall depend upon the

tendent who shall devote all time prevailing language of the majorthat is necessary to insure proper ity of foreigners where such labor safety. The office of director of is employed. This shall be a rotat-safety shall be permanent. ing committee, each member serving Every establishment having for a period of six months, so as to diversified occupations in which give every man in the department large numbers of persons are em- the opportunity to become acquaint-

Rule 2. Every establishment shall vals by properly qualified persons or by the safety committee on committees. A written report shall be made of each such inspection, setting forth the condition of the establishment or department with re-Every establishment having gard to safety and shall include

a continuous effort the year around Suitably located bulletin boards shall be provided on which safety standing committee.

Provides Workmen's Committee.

(d) Every establishment shall be changed at least once a month) safety rules or standards and other safety information shall be posted. Sufficient provide for a workmen's committee tion shall be posted. Sufficient with the foreman as chairman and numbers of the safety standards of one director of safety as an ad-the board shall be secured from one director of safety as an ad-the board shall be secured from visory member. The size of this the department to supply all persons concerned. A record of accidents shall be kept by preserving duplicates of reports on forms supplied by the department.

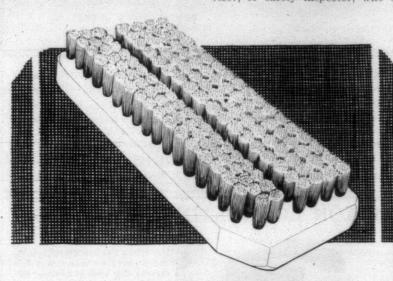
#### MI- CLEANSER

The Perfected, Non-Soluble, Cleaning, Polishing Cleansor, Deodorizing Scouring & Scrubbing Powder. "Six in One"



Your Mill Supply House will furnish you Mi-Cleanser, or order direct from

Champion Chemical Co. Charlie Nichols, General Manager Asheville, N. C.



All Textile Mills Require

### Good Brushes

And, naturally, they drift our way, because we make the kind and variety of brushes that are most needed in cotton and other textile mills.

Knowing, as we do, the specific use for every textile brush; how it should be constructed; what bristles are best for every purpose; it is not surprising that we manufacture about ninetenths of all the Brushes used in the Southern mills.

Atlanta Brush Company Atlanta, Ga.

A Brush for every Jextile Need

Pontachrome Black A.

Pontachrome Black A, which is an after-chrome color of very good fastness, used chiefly for the production of jet black shades on loose wool and yarn, has been developed and placed on the market by the du Pont Company. The Dyestuffs Department of the Company states that on account of its excellent fastness to sunlight and its very good resistance to fulling, acids, steaming. alkali and scouring, Pontachrome Black A is a very desirable color for producing full jet blacks on material intended for men's wear. If desired, it may be shaded with suitable Pontachrome colors.

This product has goon solubility shows good penetration, and exhausts well. It also possesses good level dyeing properties.

Pontachrome Black A may be dyed on a chrome mordant, but the dyeings are somewhat redder and at the same time not quite as fast, especially to rubbing, as those obtained by the after-chrome methods Pontachrome Black A is not recom-mended for use by the chromate method except for the production of grays, and when so used the shades obtained possess very good fastness, the makers say.

Pontachrome Black A may be used for Vigoureux printing, where its good solubility and fastness to steaming, scouring and fulling are of importance.

### Improved Foreign Demand for Textiles.

Washington-Textile conditions in tile industries has not shown any remarkable improvement during the past month, nevertheless, a more op-timistic spirit prevails throughout The proximity of winter is believed to have had a psychological effect on the buying activities of both manufacturer and consumer.

The textile industry in Sweden is operating at present at full capacity, in spite of the continuance of large German imports. "The Swedish trade declares the cable, July was favorable by practically 30,000,000 crowns, considerably higher than the June balance of 11,100,-000 crowns. which was the first favorable balance recorded for 1922. July exports amounted in value to 112,700,000 crowns, compared with 704,200,000 crowns in June. Imports into Sweden for July, amounting in value to about 84,000,000 crowns,

Prices for raw flax remained unchanged at Ghent, Courtrai," says creased revenue of \$15,000,000, Mex. Acting Commercial Attache Cross to the Chinese national treasury. "and other textile centers. While "The export trade is growing but the demand for lines and low." yarns is not active, spinners are all engaged until the end of January. and the padding, sheetings and dress goods market is firm, with no delieveries on new orders promised until February or March. Owing to increased export orders and the augmented local demand, all Belgian textiles are in an exceptionally strong position. The cloth mills are now seriously handicapped by the labor shortage, which prevents the of eight-hour shifts.

"An active demand for hosiery The market for better grade American cotton hosiery, particularly men's half hose, has dropped to nearly nothing because the creap trade prefers a medium cashmere (woolen, worsted) sock and only purchased the cotton when the woolen was not available.

"In silk hose the United States has held first place for several years; and has done much to make silk hosiery popular and increase the total quantity used. Ten years ago very little silk hosiery was imported into South Africa, and as late as 1916 the total imports were valued at only £4,900. In 1921, 44 per cent of the silk hose imported came from the United States, 36 per cent from Great Britain, 11 per cent from Japan, 3 per cent from Austria, and 6 per cent from others. The demand 6 per cent from others. o per cent from others. The demand is chiefly for ladies' silk hosiery of high and medium grades. Several well - known, widely - advertised brands of American silk hose are quite popular in the country. The demand for men's silk socks is represented. demand for men's silk socks is very limited, as they are only used for evening wear. American manufac-turers also have a good share of the

business in silk substitutes, where again the demand is almost exclusive for ladies' hose.

"There is also a demand for silk Washington—Textile conditions in foreign countries are gradually showing improvement, according to cable devices received here by the Department of Commerce. Analysis of the various exports discloses the various exports discloses the with woolen feet and tops, 55 shill-ings, ladies artificial silk hose, 25 ings; ladies artificial silk hose, 25 shillings and 9 pence. Great Britain has supplied practically all of the wool hosiery and underclothing used in South Africa for many years. Before the war Germany had a small share, but since 1915 the United Kingdom has never furnished less than 94 per cent of the total. The United States has come second, but with a very small percentage.

"The outstanding features in the China field for the current month are the confirmation of the new \$96, 000,000 silver loan on the security of the Salt Gabelle surplus, and the practical completion of the Chinese tariff revision," says the Commercial taches cable. "The committee on Chinese Tariff Revision, which has been in session at Shanghai, expects to compete its work on October and it is expected that the new tariff

the import trade. With political conditions still unsettled the native banks are reluctant to extend credits to native merchants. Japanese interests continue making loans to Chinese cotton mills with the mills as security.

"Raw cotton imports for the month of August were 25,000 bales The total for 1922 to date is 540,000 bales. The Chinese cotton crops are excellent. December options are at operation of the maximum number 19 1-2 cents. The cotton piece goods of eight-hour shifts. but the disturbed conditions in the continues in the Union of South interior preclude any marked activ-Africa," declared Consul Davis, ity. Local cotton mills are selling Local cotton mills are selling "Japan seems to have undersold cotton yarn below cost with little everyone in supplying this trade, or not demand. The sixth silk crop The market for better grade Ameria t Canton is estimated at 6,500 bales. or somewhat less than last year. The weather in Canton is not favorable for future silk. The Shankhai silk situation is excellent with enough cocoons for filatures to January. France is buying heavily of the best grade of Tussah.

"Foreign trade is Russia will now be regulated, not merely by the exercise of monopoly, but also by the customs duties," says the Russian "High duties will be placed on goods, not in need of, and low ones on goods required. In the future tariffs the import of foodstuffs will be duty free, and prohibitive tariffs will be imposed on luxury articles; the same applies to goods manufactured in Russia (chemicals, textiles and leather goods)—the duties on these which will be almost prohibitive.

#### F. J. Domo & Co. Cotton Brokers

Orders Executed For 10 Bales or Multiples Thereof Members American Cetton Exchange

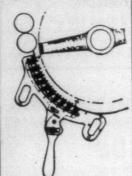
#### UNIVERSAL WINDING COMPANY - BOSTON



Winding machines for single and ply yarns, cotton, woolen, worsted and silk. Write for circular describing the NEW WIND DOUBLER, also the No. 80 for winding SUPERCONES.

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-Agents-



### Less Waste — Cleaner Yarns

COMPETITION IS NOW STRONG, and we cannot impress upon you too keenly to adopt our ADJUSTABLE PIN GRIDS, which will enable you to manufacture stronger and cleaner yarns, with smallest percentage of waste. Send for large list that have already adopted

Atherton Pin Grid Bar Company L. D. ARMSTRONG, President

GREENVILLE, S. C.

PROVIDENCE, R. 1.

### **Gum Tragasol Agglutinates**

the fibres of the yarn-cotton, woolen or worsted whichever it may be-and prevents waste of good materials by eliminating flyings.

Gum Tragasol is Cheaper

than either wool or cotton, therefore, its use is a distinct economy.

> JOHN P. MARSTON COMPANY 247 Atlantic Avenue, Boston



The humid atmosphere in textile mills causes employees to consume large quantities of water. These employees require cool water supplied in a sanitary manner - the "old tin cup" won't do.

A PURO Cooler with its Sanitary Fountain is the logical dispenser of Pure Cool Drinking water.

We are holding a copy of catalog for you-may we send it?

Made only by the

PURO SANITARY DRINKING FOUNTAIN CO.,

Haydenville, Mass.

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MILLS DESIRING DIRECT REPRESENTATION AND HAVE THEIR PRODUCT SOLD UNDER THEIR OWN MILL NAME WILL PLEASE COMMUNICATE.

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WEAVING AND KNITTING

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135 Brevard Court CHARLOTTE, N. C. Phone 1787

COMMISSION MERCHANTS COTTON YARNS

Weaving—Knitting—Insulating Tubes-Cones-Skeins-Warps

Foreign and Domestic

### The Yarn Market

Philadelphia, Pa.—Yarn sales increased steadily during the past week and the situation is regarded as being much brighter than it has been any time in the past year. The knitting trades are showing a much more marked disposition to buy in larger quantities and their activities have been very encouraging to yarn sellers. One sale of mercerized yarn of 2,000.000 pounds was reported and had an excellent effect upon the market. Most of the buying during the past week called for deliveries into the next 60 and 90 days. Stocks of yarns in both mill and agents hands are said to have been very largely reduced during the past several weeks and this is regarded as a very favorable factor in influencing future business.

Yarn sales to the weaving trades

continue to be larger than knitters, but the latter are showing signs of coming into the market in a much larger way. Prices on yarns showed no marked change during the week. There is still considerable difference of opinion to whether the increasing sales will lead to higher prices, or whether any attempt to move prices up sharply will slow up buying.

Prices as a whole were very firm and inquiry continued to broaden throughout the week. Some stock sales continued to be made at prices that were 1 to 2 cents less than spinners would consider, but the num-ber of such sales were said to have been considerably smaller than during the week previous.

Prices in this market were re-ported as follows:

| Southern Two-Ply Chain   |        |
|--|--------|
| 0s 2s to 14s   | 38 @   |
| wire 16a   | 39 @   |
| -ply 20s   | 41 @   |
| -ply 24s   | 43 @44 |
| -nlv 268   |        |
| -ply 26s   | 48 @   |
| -ply 40s   | 61 @62 |
| -ply 50s   | 79 @   |
| -ply 50s<br>Southern Two-Ply S   | keins. |
| 5s to 10s  | 37 @   |
| 0s to 12s  | 38 @   |
| 48   | 381/20 |
| 68   | 39 @   |
| 208  | 40 @41 |
| 348  | 42 @43 |
| 10s  | 46 @47 |
| 368  | 56 @   |
| 108  | 59 @61 |
| los extra  | 64 @66 |
| 508  | 76 @77 |
| 30s  | 89 @   |
| Carpets—2, 3 and<br>1-ply  |        |
| -ply   | 35 @   |
| )-DIV  | 30 @   |
| Tinged Insulating \( \) (3s, 1-ply \) (3s, 2, 3 and 4-ply \) (0s, 1-ply and 2-ply \) (2s, 2-ply \) (2s, 2-ply \) (2s, 2-ply \) (2s, 2-ply \) | arns.  |
| is, 1-ply  | 30     |
| ss, z, s and 4-ply   | 33 @34 |
| los, 1-ply and 2-ply   | 34/20  |
| 128, 2-DIY   | 30/2   |
| 208, 2-DIY   |        |
| 26s, 2-ply   | 43 @   |
| 26s, 2-ply<br>30s, 2-ply<br>Duck Yarns.  | 40 W   |
| 3, 4 and 5-ply—  |        |
|  |        |
| 8s   | 37     |
|  | 39     |
|  | 41 0   |
| Southern Single Chain  | Warns  |
| 6s to 10s  | 36 @   |
| 128  |        |
| 149  | 38 6   |

| 24s<br>26s                           | 43  | @44                           |
|--------------------------------------|---|-------------------------------|
| 26s                                  | 45  | @                             |
| 308                                  | 48  | @                             |
| 40s                                  | 59  | @                             |
| 200                                  | Southern Single Skeins.   |                               |
| 68                                   | to 8s36   | @                             |
| 10s                                  | 361   | 20                            |
| 128                                  |   | (a)                           |
| 148                                  | 38  | @                             |
| 16s                                  | 39  | @                             |
| 208                                  | 41  | @                             |
| 228                                  | 42  | @                             |
| 248                                  | 43  | @44                           |
| 268                                  | 45  | @                             |
| 26s                                  | 45  | @                             |
| 30s                                  | 48  | @                             |
| 40s                                  | 59  | @                             |
|                                      | Southern Single Skeins.   |                               |
| 6s                                   | to 8s35   | @                             |
| 10s                                  | 351   | 40                            |
| 128                                  | 37  | 0                             |
| 148                                  | 38  | 0                             |
| 16s                                  | 381   | 40                            |
| 20s                                  | 40  | @                             |
| 228                                  | 42  | 6                             |
| 248                                  | 42  | @43                           |
| 268                                  | 44  | @                             |
| 30s                                  | 46  | @                             |
| 000                                  | Southern Frame Cones.   |                               |
| 88                                   | 35  | @                             |
| 108                                  | 351   | 40                            |
| 128                                  | 351   | 2036                          |
| 148                                  | 361   | 20                            |
| 168                                  | 37  | @                             |
| 188                                  | 38  | @                             |
| 208                                  | 39  | @                             |
| 228                                  | 39  | @40                           |
| 248                                  | 40  | @41                           |
| 26s                                  | 41  | @42                           |
| 308                                  | 44  | @                             |
| 208                                  | double carded46   |                               |
|                                      | tring in  | @                             |
|                                      | tying in  | @                             |
| 408                                  | outhern Combed Peeler Skeins,   | @                             |
| 2-pl                                 |   | Etc.                          |
| 2-pl                                 | y 30s61<br>y 36s76  | @                             |
| 2-pl                                 | y 40s73   | 14@                           |
| 9 51                                 | y 50s83   | 72 0                          |
| 2-pl                                 | y 60s   | 40-                           |
| 2-pl                                 | y 781   | 120<br>150                    |
| 2-pl                                 | y (8  | 1000                          |
| 2-pl                                 | y 80s1 Combed Peeler Cones.   | 35@                           |
| 10s                                  | Combed Peeler Cones.  | @                             |
| 128                                  | 51  | 46-                           |
| 148                                  | EQ.   | 0                             |
| 16s                                  | 52  | @                             |
| 188                                  | 54  | @                             |
| 200                                  | 55  | 6                             |
| 20s<br>22s                           | 56  | 6                             |
| 248                                  | 57  | @                             |
| 26s                                  | 58  | a                             |
| 288                                  | 60  |                               |
| 30s                                  |   | @                             |
|                                      |   | 6                             |
|                                      | 65  | 0                             |
| 328                                  | 66  | 1/2 @                         |
| 348                                  | 66  | ½@<br>@                       |
| 34s<br>36s                           | 68<br>70  | ½@<br>@                       |
| 34s<br>36s<br>40s                    | 66<br>  | %@<br>@<br>@                  |
| 34s<br>36s<br>40s<br>50s             | 66<br>68<br>70<br>75<br>91  | %<br>6666<br>6666             |
| 34s<br>36s<br>40s<br>50s<br>60s      |   | 1/2 @<br>@ @<br>@ @<br>00 @   |
| 34s<br>36s<br>40s<br>50s<br>60s<br>E | 66<br>68<br>70<br>75<br>91<br>1<br>astern Carded Peeler Thread<br>Skeins. | 12@<br>@<br>@<br>00@<br>Twist |
| 34s<br>36s<br>40s<br>50s<br>60s<br>E | 66<br>68<br>70<br>75<br>91<br>astern Carded Peeler Thread<br>Skelns. 49   | 12@<br>@<br>@<br>00@<br>Twist |
| 34s<br>36s<br>40s<br>50s<br>60s<br>E | 66 68 70 75 91 1 1 astern Carded Peeler Thread Skeins. 49 2-ply 50 50     | 12@<br>@<br>@<br>00@<br>Twist |

Canton, China, Manufacturing Own Hosiery.

Eastern Carded Cones

Information has been received by the Department of Commerce that imported cotton hosiery is being replaced by the native-made article in Canton. Within recent years hosiery factories have increased considerably and thousands of women and girls are employed in this work. A skilled worker earns as high as \$10 a month; employment is so attractive that middle-class women are working in the factories.

#### J. H. LANE & CO.

Selling agents Specializing in Cotton Fabrics.

250 West 57th Street NEW YORK

226 West Adams Street CHICAGO.

### Cotton Goods

all kinds of goods is considerably broader than it was some weeks ago and while buyers are not yet buying in anticipation of future needs they are taking much larger quantities than they were when the month opened. dress ginghams have not yet been named. Sales of percales are being made into the spring and through the end of the year. Reports from the jobbing trades

show that purchases from commis- ed on 3.60s, 40-inch, at 1. 3-4c. sion houses have been rather large, Sateens were still very strong and buyers taking domestics for deliver- in active demand. Sales of 64x112s ies through the end of the year. Fine combed goods have shown some im- yard higher, this being an advance prevenent but are not yet as active as print and gray goods. Wash goods trades continues fairly large Wash with fancies in crepe and voile grounds and with ratine decorations in the lead. There has been a better demand for blankets and napped goods and also for heavy cottons for the manufacturing trade. Prices on these goods are now considerably

Steady though slight advances are being made from day to day in cotton goods. The trade is buying more and selling more. The rise in unfinished goods is very moderate and Difficulties in the Textile Industry. not rapid. In finished goods lines buyers have become so accustomed to low prices brought about through pressure to sell that they have lost sight of the fact that many goods Government being chiefly blamed were offered and sold below the ocst for present conditions. of replacement on the day of sale. Factories had large stocks on That could go on in every line of hand and many of them ran on part cottons so long as mills were working on low priced cotton. Now that they have passed the middle of September and are not getting cot-foreign drop in prices, which might ton under 21c they are forced to have been the case under different face the fact of obtaining costs, even circumstances. if they may have to forego profits

This whole industry has suffered for a time. This means some seem-to such an extent that it is said ingly sharp advances in finished that the production from January to goods, of which 1c a yard up on bleached muslins and tickings may be considered typical.

Large printers were active in the buying of wide print cloths Friday and Saturday, 10,000 pieces or more carried to the end of the year and the greater part of 1921.
some purchases were made in mil- Poor demand and some foreign

would only take that price for spots as transactions in sail duck, were or nearby goods and would not sell below those of previous years.—Comcontracts. On 68x72s business for merce Reports.

New York .- The cotton goods mar- late delivery in December was turnkets continued rather active during ed down by some houses at 10c at the week. Prices were much firmer the close of the trading, but spot and and advances were sought on some nearby goods were still available at staple domestic goods and the that figure. Sales of Southern 60x48s slightly higher prices on print cloths were made at 7.7-8c with some mills were well sustained. The demand for asking 1-8c more. Sales of 8.20 print cloth yarn goods were made at 6 1-8c and that price was firm at the close Narrow goods were sold on the basis of 6c for 9-yard 56-52s.

Sheetings were firmer and in some y were when the month instances higher. For 5.50s 8c is New prices for spring on now the best that can be done in several houses for spots and contracts, On 5-yard goods 8 3-4c was generally quoted at the close. For 6.15 goods 7c is firmly asked and was paid. More business was offer-

and 64x104s were made at 1-4c a of 1-2c a yard in two trading days.

|   | Prices were quoted as follows:        |
|---|---------------------------------------|
|   | Gray goods, 38 1-2-inch, 64x64s. 91/4 |
|   | Gray goods, 39-in 68x72s 10           |
|   | Gray goods, 39-in., 80x80s 12%        |
|   | Brown sheetings, 3-yard 121/4         |
|   | Brown sheetings, 4-yard 111/4         |
|   | Brown sheetings, So. Stnd 1314        |
|   | Ticking, 8-ounce 26                   |
|   | Denims, 2.20181/2 a19                 |
|   | Staple ginghams 141/2                 |
| Ž | Dress ginghams18a201/                 |
|   | Standard prints 101/4                 |
| ķ | Kid finished cambrics8a10             |
|   |                                       |

The Norweigan textile industry has labored under difficulties ever since the war, the embargo placed on the export of textile products by the

time only. Wholesalers and retailers also had large stocks, but the public derived no benefit from the

October, 1921, was less than half that of a normal period. In the cotton-spinning industry it was only 40 per cent of normal, and in the cotton-weaving and woven goods factories about 45 per cent. On account having been sold here for the ac- of scarcity of water the one cotton-count of Southern mills. Deliveries printing mill in the country was idle

some purchases were made in million yard lots. Most of the business competition made 1921 a very unwas done direct with mill agents. satisfactory year in the jute indusFor 38 1-2 inch 64x60s 9c was paid try. Sales of jute for the flour mills
freely, but at the close some sellers and fish-packing industries as well

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WELL DRILLING AND DEEP WELL
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We do the engineering, and have
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problems satisfactorily for textile
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Sydnor Pump & Well Co., Inc. Richmond, Va.

Position Wanted.

Experienced and reliable superintendent is open for position. Thoroughly understands the businerr from boiler room to finishing room either plain or colored goods. Can furnish excellent references to show successful past record. Address L. T. W., care Southern Textile Bulletin.

COMPLETE DYEHOUSE EQUIPMENT

Special Machinery for Textile Mills
The Klauder-Weldon Dyeing Machine Co. Bethayres, Pa.

Knitting Equipment Wanted.

A full equipment for a knitting mill with 300 dozen capacity of ladies' hosiery per day. The machinery must be in A-1 condition State lowest cash price. Apply E. W. Tart, Box 11, Fayetteville.



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WARP TYING MACHINES HAND KNOTTERS WARP DRAWING MACHINES

Established 1815

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If the applicant is a subscriber to the Southern Textile Builetin and his subscription is paid up to the date of his joining the employment bureau the above fee is only \$1.00.

During the three months' membership we send the applicant notices of all vacancies in the position which he desires. We do not guarantee to place every man who joins our employment bureau, but we do give them the best service of any employment bureau connected with the Southern Textile Industry.

- WANT position as superintendent or overseer carding and spinning. My ex-perience over many years fits me for either of the three positions. Best of references. Address No. 3578.
- WANT positions as superintendent, preferably of print cloth mill. Now employed, but wish larger place. Thoroughly experienced in handling a mill, but on outside and inside. References. Address No. 3579.

  WANT position as superintendent. Have had long experience and have always gotten good results. Would like opportunity to submit my record to mill needing high class man. Address No. 3580.
- WANT position as overseer weaving. Long experience and can give best of refer-ences as to character and ability. Ad-dress No. 3581.
- WANT position as superintendent, assist-ant superintendent or overseer weaving. Prefer mill making ginghams or fancy shirtings. Also consider position finish-ing and bleaching plant. Good refer-ences. Address No. 3582.
- WANT position as overseer of cloth room in mill on white work. Now employed and giving satisfaction. Thoroughly ex-perienced in cloth room. Address No.
- WANT position as overseer of slasher room, tying-in and drawing-in. Would consider large room only. Can come on short notice. Good references. Address No. 3584.
- WANT position as overseer of carding or spinning, or both. High class man of excellent character and ability to get re-sults. Fine references. Address No. 3585-A.
- WANT position as roller coverer, and belt man. Now employed but wish to change. Marrie, age 35, 12 years experience. Good references. Address No. 3585-B.
- WANT position as overseer weaving or cloth room, or would consider place as traveling salesman for mill supply house. Excellent references. Address No. 3586.
- WANT position as traveling salesman in textile trade. Ten years' experience in this field. Also experienced as weaving and slasher man. Address No. 3587.
- WANT position as carder or spinner, or hoth, Prefer mill in North Carolina. Good man of long experience. Refer-ences. Address No. 3588.
- WANT position as overseer weaving. Best of references to show that I can deliver the goods. Address No. 3589.
- WANT position as superintendent or overseer of weaving. Long experience in number of good mills and can give fine references to show character and ability. Address No. 3590.
- WANT position as superintendent. Now employed as assistant superintendent in large mill, but am competent to handle mill. Fine references. Address No. 3591.
- WANT position as overseer carding or spinning, or superintendent. Am textile graduate of N. C. State College and have worked around mill all my life. Now employed as overseer spinning. Excellent references. Address No. 3592.
- WANT position as overseer weaving. Now employed in good mill but am competent to handle better position. Excellent ref-erences. Address No. 3593.
- WANT position as assistant superintendent or overseer spinning, or salesman. Many years experience in erecting and overhauling carding and spinning, also as overseer spinning. Good references. Address No. 3594.
- WANT position as overseer carding. Now employed in good mill, but have good reasons for changing. Best of refer-ences. Address No. 3595.

- WANT position as superintendent of yarn mill, or plain weave plant, or overseer carding and spinning. Long experience as overseer and superintendent. Ad-dress No. 8596.
- WANT position as superintendent, or would accept place as carder and spin-ner in large mill. Fine references. Ad-dress No. 3597.
- WANT position as overseer spinning, or assistant superintendent. Am middle-aged man of temperate habits, married, and can give good references from past and present employers. Address No. 3598.
- WANT position as master mechanic and engineer. Now have good night job but wish to work in day. Excellent ref-erences. Address No. 3599.
- WANT position as overseer finishing Thoroughly competent and reliable and have excellent references. Address No. 3600.
- WANT position as overseer of small room or second hand in large room. Now em-ployed, but want to change. Good ref-erences. Address No. 3601.
- WANT position as superintendent. Now employed, but have excellent reasons for wanting to change. Would be glad to submit references to mill needing high class man. Can prove that I can get good results. Address No. 3602.
- WANT position as second hand in weav-ing or loom fixer. Good record and good references to show for it. Address No. 3603.
- WANT position as superintendent. Now employed as such in large mill, but pre-fer change of locality. Excellent refer-ences. Address No. 3604.
- WANT position as overseer spinning or carding and spinning. Man of good character and settled habits, steady and experienced worker. Address No. 6305.
- WANT position as general manager, su-perintendent or assistant superintend-ent. High class man of long experience, and thoroughly understand all phases of cotton manufacturing. Excellent refer-ences. Address No. 3606.
- WANT position as superintendent, over-seer of carding or spinning. Excellent references to show ability and character. Address No. 3607.
- WANT position as overseer carding and spinning. Many years' experience and am thoroughly competent to handle either process. References. Address No. 3608.
- WANT position as master mechanic. Un-derstand both steam and electric plant, and can handle large or small mill. Ad-dress No. 3609.
- WANT position as superintendent or card-er and spinner. Now employed, but wish larger place. Good references. Ad-dress No. 3610.
- WANT position as overseer of weaving. Age 38, good habits "carly worker. Good references, a sing experience and qualifications. Address No. 3611.
- WANT position as overseer weaving. Good weaver of long experience. Can handle wide variety of fabrics. Address No.
- WANT position as overseer large cloth room. Thirteen years' experience on all kinds of white goods. Age 32, married, 13 years as overseer. Best of references. Address No. 3613.
- WANT position as overseer carding, Have had 24 years' experience, textile educa-tion, 3 years on tire duck. Best of ref-erences. Address No. 3614.
- WANT position as overseer carding or spinning. Excellent worker, long exper-rience, good references. Address No. 3615.
- WANT position as overseer carding or spinning, or superintendent of good yarn mill. Good references to show past rec-ord and experience. Address No. 3616.
- WANT position as overseer spinning North Carolina preferred. Am thorough, ly experienced in spinning and have handled rooms in some of the best milli in North Carolina. Fine references, Ad-dress No. 3617.
- WANT position as overseer of weaving. Competent, experienced man who can get real results. Cood references. Ad-dress No. 3618.
- ANT position as master mechanic, Long experience in both steam and electric plants. Now employed. Good references. Address No. 3619.
- WANT position as superintendent of me dium sized mill on white work, or carder and spinner in larger mill. Excellent references to show character and ability. Address No. 1620.

- WANT position as superintendent or spinner; 18 years an overseer and super-intendent. Present job for two years. Have run some of the best jobs in the South. Wish change of locality, Pied-mont section preferred. Address No. 3622.
- WANT position as superintendent or overseer of weaving, white or colored, plain or fancy work. Have handled some of the best jobs in the Carolinas and can get results. Best of references. Address No. 3623.
- WANT position as master mechanic. Competent man of long experience in mill and machine work. Address No. 3624.
- WANT position as superintendent or traveling salesman. Now employed, but have good reasons for wishing to change. Finz references. Address No. 3625
- VANT position as overseer weaving in medium size mill or second hand in large mill making sheetings, prints, pajama checks. Experienced on both plain and Draper looms. Can come on short notice. References show I can deliver the goods. Address No. 3628
- WANT position as assistant superintendent of large weaving mill, or superintendent of yarn mill; would consider place as overseer spinning. Age 38, with long experience on all kinds of cotton goods and yarns. Good references. Address No. 3627.
- WANT position as overseer carding, weaving or spinning. Am textile graduate of I. C. S. and have had two years in one of the best mi'ls in the South. Young, ambitious and a hustler. Address No. 3628.
- WANT position as superintendent of yarn mill, or overseer carding. Prac-tical man of long experience and train-ing and can get excellent results. Ad-dress No. 3629.
- WANT position as overseer carding, or spinning, or both. Now employed, but wish larger place. References to show character and ability and past record. Address No. 3630.
- WANT position as superintendent or over-seer weaving. Have had long experi-ence on both positions and have an ex-cellent record in some of the best mills in the South. Can come on short notice. Good references. Address No. 3631.
- WANT position as overseer weaving. Experienced on both plain and fancy goods can get quantity production of excellent quality. Satisfactory references to show ability, training and character Address No. 3632.
- WANT position as superintendent: Am thoroughly trained man, of good executive ability and am capable of getting good results. Wish to correspond with mill needing high class man. Address No. 3633.
- WANT position as overseer carding. Good carder, good manager of help and have had necessary experience to enable me to handle large room on efficient basis. Excellent references. Address No. 3634.
- ANT position as overseer spinning. Thoroughly faimliar with all classes of goods and can furnish best of references. Address No. 3635.
- WANT position as overseer weaving, or would take second hand's place in large room. Familiar with all details of weaving room, experienced on wide variety of fabrics. Best of reference. Address No. 3636.
- WANT position as overseer carding, or second hand in large room. Can give excellent references as to character and ability. Address No. 3638.
- WANT position as overseer carding, or spinning, or both. Married man, settled three workers in family. Now employed, but am capable of handling a larger job. Good references. Address No. 3639.
- WANT position as overseer weaving, miliar with wide variety of fabrics, manager of help, excellent past re-Address No. 3640.
- WANT position as superintendent, assistant superintendent, or designer. Over 25 years' experience in this line, can make practically any class goods made on a loom. Would be glad to correspond with mill needing expert superintendent. Excellent references, Address No. 3641.
- WANT position as superintendent mill or overseer carding in large Good carder, exiellent manager of long practical experience and good ord as successful superintendent overseer. Address No. 3642.

- WANT position as assistant to superintendent, agent or president. Long experience as mill man, stenographer, general office man. Textile college and I. C. S. courses. References. Address No. 3621.

  WANT position as superintendent, or carder. Now employed as overseer and giving satisfaction, but want larger mill. Long years of experience as both overseer and superintendent. Excellent references. Address No. 3643.
  - WANT position as superintendent. High class mill man who wants connection with mill that appreciates quality and quanity production and all around ability to keep plant running smoothly Best of references. Address No. 3644.
  - WANT position as overseer carding. Energetic, well trained mill man who thoroughly understands all phases of efficient carding. Address No. 3645.
  - WANT position as overseer carding. Set-tled man of good habits, well trained and of long practical experience. First class references. Address No. 3646.
  - WANT position as superintendent, or would consider well paying place as carder or spinner. Experienced super-intendent who has handled some of the best jobs in the South. A-1 references. Address No. 3647.
  - WANT position as superintendent in mill requiring services of thoroughly competent man, on yarn or cloth. Married, temperate, hard worker and economical, can secure results. Over 10 years as superintendent of best mills. Best of references. Address No. 3648.
  - WANT position as superintendent, or overseer large weave room. Long ex-perience in both positions. Efficient, practical and can get fine results. Best of references. Address No. 3649.
  - WANT position as carder, spinner or both, or superintendent of 30,000 spindles. Now running 55,000-spindle spinning room. On present job for three years, and am giving satisfaction, but have excellent reason for wanting to change. References. Address No. 3651.
  - WANT position as carder, or would take second hand in large room. Good man who thoroughly understands card room in every particular. Address No. 3652.
  - WANT position as superintendent of me-dium sized mill, weave plant preferred, or assistant superintendent in large mill. Competent to handle either place. Good references. Address No. 3653.
  - WANT position as carder and spinner, or both. Long practical experience, good manager of help, excellent references Address No. 3654.
  - WANT position as superintendent, carder or spinning. Now employed in first class mill, but want larger job. Excellent references. Address No. 3655.
  - WANT position as overseer spinning on medium numbers hosiery yarns. Can give first class references from present and past employers. Address No. 3656.
  - WANT position as master mechanic or electrician. Long experience in large mill shops, can handle either steam or electric plant. Good references. Ad-dress No. 3657.
  - WANT position as superintendent of me-dium size mill, or as assistant superin-tendent or weaver in large mill, either plain or fancy work. Good references ar to character and ability. Address No 3658.
  - WANT position as superintendent or overseer weaving. Experienced on plain and fancy goods, know how to get qual-ity production at low cost. Good refer-ences. Address No. 3659,
  - ences. Address No. 3659.

    WANT position as assistant superintendent or overseer weaving. Now employed as weaver in room having 784 looms, with dobby heads on 448 of them. Age 35, long experience as loom fixer, second hand and assistant superintendent. Familiar with plain and drill goods, pajama checks, shirting, skirting, sateen, gabardine, marquisetts and other goods woven on plain and dobby looms. I. C. S. graduate. Best of references. Address No. 3660.
  - WANT position as superintendent or over seer spinning. Good man of long expe-rience who can successfully handle your mill or spinning room. Address No. 3661.
  - WANT position as superintendent. Long experience as such in number of larg mills in South and can give good references showing ability and character Address No. 3662.
  - WANT position as carder or spinner on white work only. Long experience and can get results. Address No. 3663.
  - WANT position as superintendent, carder or spinner. Have had long experience as both superintendent and overseer and can show excellent record and qualifi-cations. Fine references. Address No. 3664.
  - WANT position as overseer weaving. Ex-perienced on wide variety of fabrics and am first class weaver in every respect. Good references. Address No. 3665.

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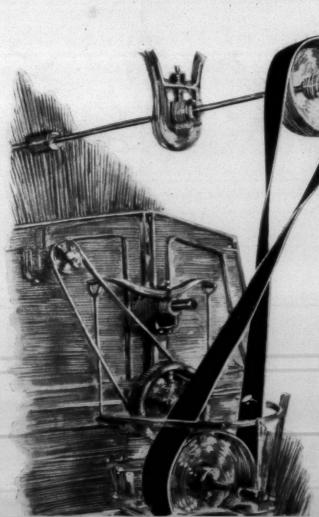
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